

Colour Definition Report



This service includes

INSTRUMENTAL MEASUREMENT AND CALCULATION TO DETERMINE THE EXACT NCS NOTATION AND VISUAL ASSESSMENT TO DETERMINE THE NEAREST STANDARDISED NCS COLOUR.

EXPLANATION

Sample	Name/Notation of the measured sample
Exact NCS	Exact NCS Notation determined by colour measurement
Nearest NCS S	The closest colour sample available in the SS 19102:2004 NCS Atlas determined by visual colour matching*.
Comments	Refers to how the Nearest NCS S differs visually from the sample

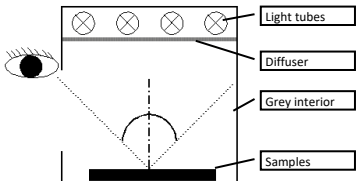
*Normal colour vision and the ability to see small colour differences is a fundamental ability for personnel involved in colour control. Please contact us for more information on colour vision testing.

MEASUREMENT CONDITIONS FOR COLOUR MEASUREMENT

The colour measurement and analysis have been carefully made, checked and certified by NCS Quality Centre according to Swedish Standard, SS 01 91 04, in a spectrophotometer traceable to NCS reference instrument. The CIE measurement values in accordance with CIE publ. 15.2004 is based on the following specification:

- Measurement geometry: $d_i:8^\circ$, UV component included.
- CIE standard illuminants D65 and CIE 10 degree standard observer.
- Readings every 10 nm from 360 to 750 nm.
- 0500-N (white) is used as a sample backing for reflectance measurement.

CONDITIONS FOR VISUAL ASSESSMENT

<p>VIEWING CONDITIONS - IN CLOSE AGREEMENT WITH ISO 3668:1998</p>	<ul style="list-style-type: none"> • Diffuse illumination • Illumination type: D65 • Illumination level 1000-4000 lx • Illumination angle: normal to the sample • Viewing angle: 45 degree from the sample normal • Viewing distance 0.4-0.5 m • Medium grey interior of viewing booth 
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Translation to closest NCS Standard Colour

Below you will find a table showing the visually closest standard NCS to each sample in Københavns Malerlaug collection "Nye Farveprøver". When applicable a comment is included which refers to how the NCS standard differs visually from the sample. It is important to recognise that the gloss difference between Københavns Malerlaugs samples and the NCS 1950 standard samples is substantial. The gloss difference has an impact on the translations.

Sample	Nearest NCS S	Comments - the NCS Sample is	Sample	Nearest NCS S	Comments - the NCS Sample is
001	0500-N		038	8005-G80Y	
002	1000-N	lighter	039	1005-Y20R	
003	1500-N		040	2005-Y10R	
004	2000-N		041	3010-Y	more chromatic
005	2500-N	darker, more red	042	4010-G90Y	
006	3000-N		043	7010-G90Y	darker
007	4000-N	darker, more red	044	8005-G80Y	
008	4500-N		045	1010-Y10R	
009	5000-N		046	2020-Y	darker
010	6000-N		047	4030-Y	
011	7000-N		048	6030-G90Y	
012	8000-N		049	2040-G90Y	darker
013	8500-N		050	1050-Y	lighter
014	9000-N	darker	051	1515-Y10R	lighter
015	1502-Y	darker	052	3030-Y	more yellow
016	2002-Y	darker	053	6020-Y	
017	3502-Y	darker	054	2040-Y10R	more chromatic
018	4502-Y		055	3040-Y10R	more red
019	6502-Y		056	4040-Y10R	
020	9000-N	darker	057	0505-Y40R	
021	1502-B		058	1005-Y40R	
022	2005-R80B		059	1510-Y30R	
023	3005-R80B	darker	060	3010-Y30R	darker
024	4005-R80B	darker	061	4010-Y30R	lighter, more yellow
025	7005-R80B	darker	062	6020-Y20R	lighter, more chromatic
026	8005-R80B	darker, more chromatic			lighter, more chromatic,
027	2020-G90Y		063	7020-Y10R	more yellow
028	4030-G90Y	darker, more chromatic	064	8005-Y50R	darker
029	6020-G90Y	darker, more red	065	2020-Y40R	
030	1020-Y		066	5030-Y20R	darker, more chromatic
031	2050-G90Y		067	7020-Y20R	darker
032	0907-Y10R		068	3040-Y20R	darker, less chromatic
033	1010-Y		069	4050-Y30R	more chromatic
034	2005-Y		070	2060-Y30R	more chromatic
035	3010-G90Y	more chromatic	071	0804-Y70R	
036	5005-G80Y	darker, more green	072	1005-Y70R	
037	7005-G80Y	darker	073	1505-Y60R	lighter



Sample	Nearest NCS S	Comments - the NCS Sample is	Sample	Nearest NCS S	Comments - the NCS Sample is
074	3005-Y80R	darker, more red	116	1515-R90B	more chromatic
075	4005-Y80R	lighter	117	4010-R90B	darker
076	7005-Y80R	darker	118	6020-R90B	more chromatic
077	8005-Y80R	lighter	119	7010-R90B	lighter, less chromatic
078	1510-Y60R		120	1515-B	darker
079	3010-Y60R		121	3030-R90B	darker
080	4010-Y50R	lighter, more yellow	122	5030-R90B	more chromatic
081	7010-Y50R	darker	123	7020-R90B	darker, more chromatic
082	8005-Y80R	darker	124	2040-R90B	more chromatic
083	1515-Y50R		125	4040-R90B	more red
084	3020-Y60R		126	3050-R90B	more red
085	6030-Y40R	more chromatic	127	1002-B50G	
086	8505-Y80R	darker	128	1005-B50G	
087	3060-Y40R		129	2005-B50G	darker
088	3560-Y60R	more chromatic	130	3005-B20G	darker, more blue
089	1515-Y70R	more chromatic	131	3010-B10G	lighter, more blue
090	2020-Y80R	more chromatic, more red	132	7005-B20G	darker
091	3020-Y80R		133	8005-B20G	more green
092	6020-Y80R		134	3020-B	darker
093	7020-Y80R		135	6020-B	lighter
094	3060-Y60R		136	5040-B10G	more chromatic
095	1510-Y80R		137	2040-B10G	
096	3020-Y80R	lighter, more chromatic	138	1010-G	darker
097	6020-Y90R	darker	139	1510-B50G	
098	8005-R20B	more blue	140	2010-B30G	lighter
099	6020-Y90R	less chromatic, more yellow	141	3020-B10G	lighter
100	7020-R	darker	142	5020-B30G	lighter
101	4050-Y80R	darker	143	7020-B10G	darker
102	5040-Y90R	darker	144	1515-B50G	
103	2060-Y80R	lighter	145	3030-B10G	darker
104	4050-Y90R		146	4040-B10G	more chromatic, more blue
105	3060-R	more red	147	3050-B10G	more chromatic, more blue
106	2010-R10B	lighter	148	2020-B50G	more chromatic
107	5010-R10B	more blue	149	3020-B40G	more chromatic
108	7010-R10B		150	6020-B50G	more chromatic, more green
109	4040-R10B	darker, more blue	151	2020-B40G	darker, less chromatic
110	5040-R	more red	152	4030-B30G	darker, more blue
111	6030-R10B	more chromatic, more red	153	6030-B30G	darker, more blue
112	3010-R60B	less chromatic	154	3050-B30G	more chromatic
113	4020-R60B	lighter, more chromatic	155	2020-B90G	
114	6020-R60B	lighter, more chromatic	156	3020-B70G	
115	4050-R70B	more chromatic	157	6020-B70G	



Sample	Nearest NCS S	Comments - the NCS Sample is	Sample	Nearest NCS S	Comments - the NCS Sample is
158	7020-B50G	more chromatic	186	8010-B70G	darker, more chromatic
159	3030-B70G	darker	187	3030-G10Y	more yellow
160	6030-B70G	darker, more green	188	6030-G10Y	more chromatic
161	3050-B60G	more chromatic	189	2050-G20Y	
162	0907-G20Y	more yellow	190	1510-G40Y	
163	1010-G	more green	191	3010-G50Y	
164	2010-G10Y	darker	192	4010-G50Y	
165	3010-B90G	darker	193	6010-G50Y	lighter, more yellow
166	4010-B90G	darker, more chromatic	194	1030-G50Y	lighter, more chromatic
167	7010-G10Y	darker, more yellow	195	3030-G50Y	lighter
168	8005-B20G	less chromatic, more blue	196	6020-G50Y	less chromatic
169	1010-G20Y		197	7020-G50Y	darker, more chromatic, more yellow
170	1515-G20Y	more yellow			less chromatic,
171	3010-G10Y	darker, less chromatic, more yellow	198	3040-G50Y	more yellow
172	4020-G	darker, more chromatic	199	0505-G80Y	
173	6020-G	darker, more chromatic	200	1005-G80Y	
174	7020-G	darker, more chromatic	201	2010-G60Y	darker
175	8010-B90G	darker	202	3010-G60Y	darker
176	5030-G	lighter	203	4010-G50Y	more green
177	3030-G		204	7005-G50Y	darker
178	6030-G	darker, more chromatic	205	8005-G50Y	more yellow
179	4040-G	darker	206	1510-G80Y	
180	3050-G		207	3010-G80Y	darker, less chromatic
181	1015-G20Y	more green	208	3010-G80Y	lighter, less chromatic
182	1515-G20Y		209	6020-G70Y	more chromatic
183	3020-G20Y	more chromatic, more green	210	7010-G70Y	more yellow
184	5020-G10Y	darker, more chromatic, more green	211	8005-G50Y	darker
185	7020-G10Y	darker, more chromatic	212	1515-G80Y	less chromatic
			213	3030-G80Y	
			214	5040-G70Y	more chromatic
			215	2050-G80Y	



Determination of Exact NCS

Below you'll find a table of the Københavns Malerlaug samples with corresponding exact NCS notations. The exact NCS notation can be used as a guideline when matching your colour.

Sample	Exact NCS	Sample	Exact NCS
001	0601-Y30R	039	1406-Y13R
002	1301-Y14R	040	2107-Y
003	1801-G96Y	041	3008-Y
004	2101-G68Y	042	4312-G90Y
005	2601-G32Y	043	6718-G86Y
006	3201-G81Y	044	8506-G79Y
007	3901-G59Y	045	1411-Y05R
008	4700-N	046	1917-Y02R
009	5200-N	047	4030-G96Y
010	6200-N	048	6031-G91Y
011	7300-N	049	1835-G94Y
012	8501-R76B	050	1553-G97Y
013	9001-R89B	051	1820-Y06R
014	8901-R91B	052	3431-Y03R
015	1503-Y19R	053	6521-G99Y
016	2003-Y10R	054	2038-Y07R
017	3203-G96Y	055	2948-Y05R
018	4604-G91Y	056	3847-Y06R
019	6902-G92Y	057	0705-Y30R
020	9400-N	058	1306-Y34R
021	1503-R90B	059	1809-Y29R
022	2005-R85B	060	2911-Y32R
023	2804-R84B	061	4511-Y35R
024	4004-R84B	062	6616-Y17R
025	6705-R84B	063	7413-Y16R
026	8405-R91B	064	8107-Y33R
027	1820-G92Y	065	2320-Y31R
028	3928-G87Y	066	4828-Y22R
029	5730-G84Y	067	6818-Y23R
030	1323-G93Y	068	2646-Y22R
031	2540-G91Y	069	4447-Y29R
032	0807-Y20R	070	2457-Y27R
033	1208-Y06R	071	1004-Y64R
034	2108-G95Y	072	1105-Y63R
035	3107-G89Y	073	1904-Y52R
036	4906-G91Y	074	2904-Y65R
037	6905-G86Y	075	4605-Y74R
038	8405-G82Y	076	7006-Y74R



Sample	Exact NCS	Sample	Exact NCS
077	8605-Y76R	121	2729-R90B
078	1611-Y57R	122	5130-R93B
079	3110-Y62R	123	6728-R92B
080	4309-Y57R	124	2037-R92B
081	6913-Y51R	125	4340-R95B
082	8107-Y80R	126	3451-R95B
083	1518-Y49R	127	1104-B67G
084	3619-Y54R	128	1505-B50G
085	6228-Y43R	129	2005-B45G
086	8405-Y97R	130	3007-B31G
087	3165-Y38R	131	3508-B25G
088	3661-Y58R	132	6708-B08G
089	1513-Y73R	133	8309-B06G
090	2216-Y75R	134	3220-B03G
091	3519-Y73R	135	6822-B01G
092	6120-Y80R	136	5435-B08G
093	6820-Y81R	137	2338-B09G
094	2856-Y63R	138	1010-B98G
095	1710-Y76R	139	1811-B51G
096	3815-Y81R	140	2512-B27G
097	5920-Y89R	141	3718-B10G
098	8208-R05B	142	5619-B20G
099	6128-Y91R	143	7021-B13G
100	6626-R03B	144	1518-B50G
101	3850-Y80R	145	2929-B12G
102	4841-Y92R	146	4734-B14G
103	2360-Y78R	147	3149-B15G
104	4053-Y89R	148	2416-B57G
105	2672-Y94R	149	3515-B43G
106	2511-R	150	6116-B43G
107	5213-R04B	151	1926-B35G
108	7313-R08B	152	3934-B34G
109	3548-R07B	153	5934-B38G
110	4842-R10B	154	3147-B32G
111	6031-R15B	155	2317-B84G
112	3212-R60B	156	3319-B76G
113	4816-R59B	157	6020-B58G
114	6916-R60B	158	7117-B55G
115	5337-R76B	159	2830-B71G
116	1910-B01G	160	6130-B58G
117	3812-R93B	161	3247-B64G
118	6217-R91B	162	0908-G
119	7515-R90B	163	1309-G06Y
120	1316-B	164	1910-G10Y



Sample	Exact NCS
165	2908-B94G
166	4008-B99G
167	6809-G01Y
168	8508-B53G
169	1211-G21Y
170	1615-G09Y
171	2715-G03Y
172	3818-B99G
173	6118-B99G
174	7117-B98G
175	7811-B87G
176	5628-B98G
177	3032-G
178	5930-G01Y
179	3841-G
180	3350-B99G
181	0916-G27Y
182	1715-G21Y
183	3217-G25Y
184	4816-G16Y
185	7022-G17Y
186	7914-B89G
187	3234-G17Y
188	6133-G11Y
189	2156-G21Y
190	1811-G41Y
191	3111-G45Y
192	4313-G47Y
193	6710-G43Y
194	1625-G48Y
195	3531-G46Y
196	5927-G44Y
197	7118-G41Y
198	2653-G45Y
199	0806-G78Y
200	1306-G74Y
201	2109-G61Y
202	3110-G66Y
203	4311-G55Y
204	7009-G55Y
205	8607-G33Y
206	1811-G82Y
207	2812-G80Y
208	3814-G79Y

Sample	Exact NCS
209	6216-G72Y
210	7710-G64Y
211	8207-G47Y
212	1621-G79Y
213	3530-G79Y
214	5729-G72Y
215	2149-G77Y

