

# Inter-Society Color Council

From the desk of

Fred W. Billmeyer, Jr.

Date Sept 27 '82

To: Dorothy

- ..... Please call me on this.
- ..... Please note and return.
- ..... Please handle.
- ..... For your recommendation and return.
- ..... For your consideration.
- For your information.
- ..... For your files.

Comment: Attached are copies of the cover letter from Stenius transmitting my data on the Swedish NCS system, and the first page of the data. I would guess from the letter that you have the same data. In later correspondence Stenius says these are the tables that will be "an official standard."

*F. W. Billmeyer, Jr.*

~~Office of the Secretary~~

Rensselaer Polytechnic Institute, Troy, N.Y. 12181

Dear Fred:

Enclosed please find the draft of a new Swedish Standard comprising the CIE values of the NCS samples.

As you can see, for every NCS designation you will find 2 lines with CIE values. Let us take the two first lines as an example:

The NCS sample 0040-Y has the values 87.15, 93.12 etc. This values are obtained by interpolation. The real sample, closest possible obtainable, has the NCS designation 0538-Y with the CIE values 75.77, 80.52 etc.

Deep down on the first page you will see that the real samples are missing. They were not possible to produce, and consequently the ~~etc~~ samples given above these empty lines contain extrapolated values.

Confidentially I may add that I voted against the publication of this table. This was because of the careless procedure of measurement. The tristimulus values are somewhat erroneous, but the chromaticity coordinates may be considered correct.

Sincerely  
Åke

-Y

s c φ	X	Y	Z	x	y	d	w	s c φ
0040-Y	87,15	93,12	44,15	0,3883	0,4149	0,1260	51,61	
	75,77	80,52	39,38	0,3872	0,4115	0,1227	51,02	0538-Y
1040-Y	63,55	67,27	30,80	0,3932	0,4162	0,1301	50,28	
	67,78	71,54	33,17	0,3930	0,4147	0,1288	49,95	0840-Y01R
2040-Y	46,81	49,06	21,65	0,3983	0,4175	0,1344	48,94	
	47,60	49,75	23,24	0,3947	0,4126	0,1283	48,71	2038-Y01R
3040-Y	34,26	35,53	15,10	0,4036	0,4185	0,1387	47,59	
	33,95	35,14	15,54	0,4012	0,4152	0,1346	47,40	3138-Y
4040-Y	24,46	25,09	10,27	0,4089	0,4194	0,1429	46,26	
	24,29	24,84	10,35	0,4084	0,4176	0,1413	45,90	4039-Y01R
5040-Y	16,56	16,79	6,63	0,4142	0,4200	0,1470	44,91	
	17,32	17,48	7,11	0,4133	0,4171	0,1444	44,36	4939-Y02R
6040-Y	10,01	10,03	3,81	0,4197	0,4205	0,1514	43,59	
	14,79	14,86	5,85	0,4166	0,4186	0,1478	43,87	5340-Y02R
0050-Y	85,13	91,00	34,10	0,4049	0,4329	0,1504	50,89	
	70,79	74,78	28,20	0,4074	0,4303	0,1500	49,56	0649-Y01R
1050-Y	61,09	64,57	23,22	0,4103	0,4337	0,1545	49,54	
	61,44	65,18	23,50	0,4093	0,4342	0,1542	49,95	1050-G99Y
2050-Y	44,22	46,19	15,92	0,4159	0,4344	0,1587	48,18	
	43,37	45,05	16,06	0,4151	0,4312	0,1558	47,60	2149-Y01R
3050-Y	31,67	32,67	10,82	0,4214	0,4347	0,1626	46,80	
	30,31	31,09	10,22	0,4232	0,4341	0,1634	46,19	3150-Y01R
4050-Y	21,91	22,32	7,11	0,4268	0,4347	0,1664	45,46	
	22,72	23,18	7,58	0,4248	0,4334	0,1641	45,62	3949-Y
5050-Y	14,05	14,12	4,33	0,4323	0,4345	0,1701	44,06	
	16,62	16,81	5,85	0,4231	0,4280	0,1590	44,68	4845-Y
0060-Y	82,95	88,69	25,86	0,4200	0,4491	0,1725	50,40	
	68,78	72,12	20,53	0,4261	0,4468	0,1747	48,39	0660-Y02R
1060-Y	58,45	61,66	17,18	0,4257	0,4491	0,1762	48,98	
	61,54	64,65	18,33	0,4258	0,4473	0,1750	48,57	0960-Y01R
2060-Y	41,46	43,14	11,47	0,4316	0,4490	0,1801	47,56	
	40,03	41,52	10,58	0,4345	0,4507	0,1832	47,23	2161-Y
3060-Y	28,91	29,66	7,49	0,4376	0,4490	0,1842	46,16	
	30,73	31,41	8,20	0,4369	0,4465	0,1819	45,80	2959-Y01R
4060-Y	19,20	19,40	4,65	0,4439	0,4486	0,1883	44,68	
	23,22	23,48	6,04	0,4403	0,4452	0,1833	44,74	3658-Y01R
0070-Y	80,74	86,14	18,35	0,4359	0,4650	0,1949	49,80	
	67,53	71,08	15,87	0,4371	0,4601	0,1920	48,56	0568-Y01R
1070-Y	55,63	58,52	11,68	0,4421	0,4651	0,1990	48,44	
	55,24	58,38	12,36	0,4385	0,4634	0,1954	48,91	1068-G99Y
2070-Y	38,47	39,88	7,45	0,4484	0,4648	0,2030	47,06	
	39,01	39,83	7,72	0,4507	0,4601	0,2013	45,68	2069-Y02R
3070-Y	25,91	26,46	4,61	0,4547	0,4644	0,2071	45,70	
	-	-	-	-	-	-	-	-
0080-Y	78,37	83,33	11,54	0,4524	0,4810	0,2178	49,20	
	66,70	70,29	8,98	0,4569	0,4815	0,2212	48,39	0481-Y
1080-Y	52,53	55,11	6,89	0,4587	0,4812	0,2221	48,00	
	51,85	53,53	7,52	0,4593	0,4741	0,2173	46,64	1178-Y02R
2080-Y	35,17	36,39	3,99	0,4655	0,4817	0,2271	46,79	
	-	-	-	-	-	-	-	-
0090-Y	75,67	80,20	5,36	0,4693	0,4974	0,2413	48,70	