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PSL2-program code: Kodak-photo-CD EPS-file with 17 CIE-test colors
%!PS-Adobe-3.0 B7380-7n.eps wrstl:W0419m1.eps
%%Creator: Kodak Photo CD Access Developer Toolkit
%%Pages: 1
%%BoundingBox: 0 0 192 128
%%LanguageLevel: 2
%%EndComments
%%EndProlog
%%Page: 1 1
/picstr 192 string def
gsave
/cols 192 def
/rows 128 def
72 65536 mul 4915200 div dup
cols mul exch rows mul scale
cols rows 8
{cols 0 0 rows neg 0 rows}
{currentfile picstr readhexstring pop}
false 3
colorimage
00000000000000000000000000000000000000000000000000000000000000000000
%insgesamt 192 x 128 x 2 hexadecimal characters (8 Bit) OLV*-data
000400000400000400000400000400000300000300000300000300000300000300
000300000300000300000300000300000300000300000300000300000300000300
000400000300000300000100000000000000
grestore
showpage
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ME380-3, B8_44

CIEBasedABC—color space in PSL2
 $LMN^* / OLV^* / RGB^* \rightarrow XYZ$
EBU-screen phosphors, D65

$$\begin{matrix} L & = & \text{Decode}L^* & = & \{2.2 \text{ exp} \} \\ M & = & \text{Decode}M^* & = & \{2.2 \text{ exp} \} \\ N & = & \text{Decode}N^* & = & \{2.2 \text{ exp} \} \end{matrix}$$
$$\begin{pmatrix} X \\ Y \\ Z \end{pmatrix} = \begin{pmatrix} 0,4303 & 0,3416 & 0,1782 \\ 0,2219 & 0,7068 & 0,0713 \\ 0,0202 & 0,1296 & 0,9387 \end{pmatrix} \times \begin{pmatrix} L \\ M \\ N \end{pmatrix}$$

ME380-5, B8_45_1

CIEBasedABC—color space in PSL2
 $OLV^* \rightarrow OLV \rightarrow XYZ$
EBU-screen phosphors, D65

$$\begin{matrix} O & = & \text{Decode}O^* & = & \{2.2 \text{ exp} \} \\ L & = & \text{Decode}L^* & = & \{2.2 \text{ exp} \} \\ V & = & \text{Decode}V^* & = & \{2.2 \text{ exp} \} \end{matrix}$$
$$\begin{pmatrix} X \\ Y \\ Z \end{pmatrix} = \begin{pmatrix} 0,4303 & 0,3416 & 0,1782 \\ 0,2219 & 0,7068 & 0,0713 \\ 0,0202 & 0,1296 & 0,9387 \end{pmatrix} \times \begin{pmatrix} O \\ L \\ V \end{pmatrix}$$

ME380-6, B8_45_2

photo-CD with CIE-test colors: u=unnormalized data

no.	O_u^*	L_u^*	V_u^*	$X_{aim,u}$	$Y_{aim,u}$	$Z_{aim,u}$
1	141	109	95	0,3298	0,2976	0,2459
2	128	119	65	0,2749	0,2890	0,1501
3	102	129	45	0,2393	0,3043	0,0996
4	83	130	79	0,2045	0,2948	0,2127
5	82	132	130	0,2502	0,3087	0,4042
6	95	122	158	0,2826	0,2983	0,5791
7	136	115	160	0,3333	0,2939	0,5322
8	187	117	148	0,3757	0,3131	0,4544
9 R	173	40	43	0,2048	0,1120	0,0436
10 J	190	168	43	0,5487	0,5894	0,1208
11 G	55	106	64	0,1212	0,2035	0,1533
12 B	9	50	99	0,0628	0,0647	0,2773
13	204	166	124	0,5885	0,5709	0,4139
14	61	78	37	0,0935	0,1171	0,0543
15 N	39	42	39	0,0342	0,0359	0,0394
16 Z	89	95	88	0,1885	0,1983	0,2157
17 W	220	222	211	0,7239	0,7615	0,8289

ME380-7, B8_47_1

photo-CD with CIE-test colors: n=normalized data

no.	O_n^*	L_n^*	V_n^*	$X_{aim,n}$	$Y_{aim,n}$	$Z_{aim,n}$
1	163	125	114	0,4556	0,3908	0,2967
2	148	136	78	0,3797	0,3795	0,1811
3	118	148	54	0,3306	0,3996	0,1202
4	96	149	95	0,2825	0,3871	0,2566
5	95	151	157	0,3456	0,4054	0,4876
6	110	140	190	0,3904	0,3917	0,6986
7	157	132	193	0,4604	0,3859	0,6421
8	216	134	178	0,5190	0,4112	0,5482
9 R	200	45	51	0,2829	0,1471	0,0526
10 J	220	192	51	0,7580	0,7740	0,1457
11 G	63	121	77	0,1674	0,2672	0,1849
12 B	10	57	119	0,0868	0,0850	0,3345
13	236	190	149	0,8130	0,7497	0,4993
14	70	89	44	0,1292	0,1538	0,0655
15 N	45	48	47	0,0472	0,0471	0,0475
16 Z	103	109	106	0,2604	0,2604	0,2600
17 W	255	255	255	1,0000	1,0000	1,0000

ME380-8, B8_47_2

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PSL2-program code: color space transformation photo-CD-image with 17 CIE-test colors
%!PS-Adobe-3.0 B7381-7n.eps wrstl:W0419m2.eps
%%Creator: Kodak Photo CD Access Developer Toolkit
%%BoundingBox: 0 0 192 128
%%LanguageLevel: 2
%%EndComments
%%EndProlog
/picstr 192 string def
gsave
/cols 192 def
/rows 128 def
72 65536 mul 4915200 div dup
cols mul exch rows mul scale

[ /CIEBasedABC << %color space and limits for D65
  %vgl. Adobe techn. note #5122: Matching RGBcolor, page 4
  /WhitePoint [1.0000 1 1.0000] %CIE XYZ for illuminant E
  /DecodeABC [ [1.1591 mul 1.634 exp]
    [1.1486 mul 1.616 exp]
    [1.2085 mul 1.502 exp] ] ]
/MatrixABC [ 0.3546 0.1495 -0.0403
  0.4319 0.7237 0.0972
  0.0399 -0.0405 0.7171 ]
/RangeABC [ 0 1 0 1 0 1 ]
/DecodeLMN [ [ [ ] ] ]
/MatrixLMN [ 1.0000 0.0000 0.0000
  0.0000 1.0000 0.0000
  0.0000 0.0000 1.0000 ]
/RangeLMN [ 0 1 0 1 0 1 ] >>] setcolorspace

<<
/ImageType 1
/Width 192 /Height 128
/BitsPerComponent 8
/Decode [ 0 1 0 1 0 1 ]
/ImageMatrix [ 192 0 0 -128 0 128 ]
/DataSource currentfile /ASCIHexDecode filter
>>
image
00000000000000000000000000000000000000000000000000000000000000000000
%insgesamt 192 x 128 x 2 hexadecimal characters (8 Bit) OLV*-data
000400000400000400000400000400000300000300000300000300000300000300
000300000300000300000300000300000300000300000300000300000300000300
0004000003000003000001000000000000000000000000000000
grestore
showpage
```

ME381-7