

PSL2-Programmcode: *Kodak-Foto-CD* EPS-Datei mit 17 CIE-Testfarben[illegible]

NG380-3, B8 44

CIEBasedABC-Farbraum in PSL2
 $LMN^* / OLV^* / RGB^* \rightarrow XYZ$
 EBU-Bildschirm-Phosphore, D65

$$\begin{array}{lll} L & = & \text{Decode}L^* = \{2.2 \text{ exp}\} \\ M & = & \text{Decode}M^* = \{2.2 \text{ exp}\} \\ N & = & \text{Decode}N^* = \{2.2 \text{ exp}\} \end{array}$$

$$\begin{pmatrix} X \\ Y \\ Z \end{pmatrix} = \begin{pmatrix} 0,4303 & 0,3416 & 0,1782 \\ 0,2219 & 0,7068 & 0,0713 \\ 0,0202 & 0,1296 & 0,9387 \end{pmatrix} \times \begin{pmatrix} L \\ M \\ N \end{pmatrix}$$

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CIEBasedABC-Farbraum in PSL2
 $OLV^* \rightarrow OLV \rightarrow XYZ$
 EBU-Bildschirm-Phosphore, D65

O	$=$	$\text{Decode}O^*$	$=$	$\{2.2 \text{ exp}\}$
L	$=$	$\text{Decode}L^*$	$=$	$\{2.2 \text{ exp}\}$
V	$=$	$\text{Decode}V^*$	$=$	$\{2.2 \text{ exp}\}$

$$\begin{pmatrix} X \\ Y \\ Z \end{pmatrix} = \begin{pmatrix} 0,4303 & 0,3416 & 0,1782 \\ 0,2219 & 0,7068 & 0,0713 \\ 0,0202 & 0,1296 & 0,9387 \end{pmatrix} \times \begin{pmatrix} O \\ L \\ V \end{pmatrix}$$

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Foto-CD mit CIE-Testfarben: u =unnormierte Daten							
Nr.	O^*	L^*	V^*	$X_{s,01}$	$Y_{s,01}$	$Z_{s,01}$	
1	141	109	95	0.3298	0.2976	0.2459	
2	128	119	65	0.2890	0.2800	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	0.5332	
8	187	117	148	0.3757	0.3131	0.4544	
9 <i>R</i>	173	40	43	0.2048	0.1120	0.0436	
10 <i>J</i>	190	168	43	0.5487	0.5894	0.1208	
11 <i>G</i>	55	106	64	0.1212	0.2035	0.1533	
12 <i>B</i>	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 <i>N</i>	39	42	39	0.0342	0.0359	0.0394	
16 <i>Z</i>	89	95	88	0.1885	0.1863	0.2157	
17 <i>W</i>	220	222	211	0.7239	0.7615	0.8289	

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Foto-CD mit CIE-Testfarben: n =normierte Daten						
Nr.	O_1	L_1^*	V_1^*	$X_{s,1}$	$Y_{s,1}$	$Z_{s,1}$
1	163	125	114	0.4556	0.3908	0.2967
2	148	136	78	0.3797	0.3795	0.1811
3	182	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	0.4786
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	0.2762	0.1849
12 B	10	57	119	0.0868	0.0850	0.3345
13	236	190	149	0.8130	0.7497	0.4933
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	0.2602
17 W	255	255	255	1.0000	1.0000	1.0000

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PSL2-Programmcode: Farbraum-Transformation Foto-CD-Bild mit 17 CIE-Testfarben

```
%!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 << %Farbraum und Grenzen fuer D65
%vgl. Adobe Techn. Note #5122: Matching RGBcolor, S.4
/WhitePoint [1.0000 1.0000] %CIEXYZ fuer 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 /ASCIIHexDecode filter
>>
image
0000000000000000000000000000000000000000000000000000000000000000
%insgesamt 192 x 128 x 2 Hexadezimal-Zeichen (8 Bit) OLV*-Daten
00040000004000000400000040000004000000300000030000003000000300
00030000003000000300000030000003000000300000030000003000000300
0004000000300000030000001000000000000000
grestore
showpage
```

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