

Converting Colors

XYZ(50.1122, 71.1055, 76.6337)

Have a look what the booklet for
XYZ(50.1122, 71.1055, 76.6337)
contains.

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Color

**XYZ(50.1640, 71.1085,
76.7270)**

Conversions

Conversions Part 1

Format	Color
Hex	6CF1D9
RGB	108, 241, 217
RGB Percent	42%, 95%, 85%
CMY	0.5765, 0.0549, 0.1490
CMYK	0.55, 0.00, 0.10, 0.05
HSL	169°, 83%, 68%
HSV	169°, 55%, 95%
XYZ	50.1640, 71.1085, 76.7270
YIQ	198.4970, -71.5640, -35.6600

Conversions

Conversions Part 2

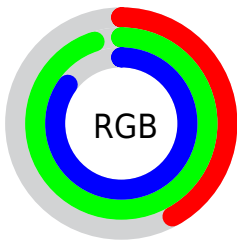
Format	Color
RYB	108, 181, 241
Decimal	7139801
CIELab	87.54, -42.22, 0.54
CIELCh	88, 42.218, 179.270
Yxy	71.1085, 0.2534, 0.3591
Android (android.graphics.Color)	4285329881 (0xFF6CF1D9)
YUV	198.4970, 9.1220, -79.3659
Hunter-Lab	84.3259, -41.3837, 5.0809

Details

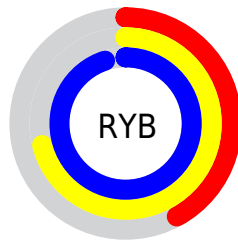
The XYZ color **50.1640, 71.1085, 76.7270** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **45.8054, 31.0938, 25.4198**, and the grayscale version is **53.9582, 56.7682, 61.8206**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **24.3552, 37.2469, 40.0881** is the 20% darker color. If you saturate the color by 10%, you get **47.0702, 69.5799, 73.6691**, and if you desaturate by 10%, it is **54.0867, 73.0662, 79.9047**.

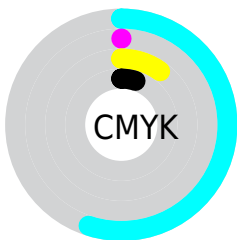
Distribution



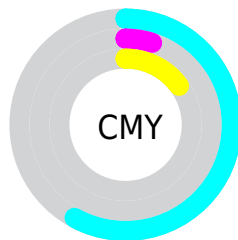
- Red (42%)
- Green (95%)
- Blue (85%)



- Red (42%)
- Yellow (71%)
- Blue (95%)



- Cyan (55%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)





- Cyan (58%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1640, 71.1085, 76.7270 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 50.1640, 71.1085, 76.7270 by changing the saturation by 10% instead.


 50.1640, 71.1085,
76.7270


 50.1640, 71.1085,
76.7270

377.7483,
464.4326, 503.2456


 35.7621, 52.4307,
56.5186


 89.6082, 120.7882,
130.5235

 24.4197, 37.3485,
40.2121

 115.3811,
152.5589, 164.9488

 15.7717, 25.4775,
27.3889


 145.6751,
189.4628, 204.9500

 9.4526, 16.4331,
17.6305

180.8556,
231.8842, 250.9458

 5.0970, 9.8312,
10.5183

221.2877,
280.2074, 303.3548

 2.3396, 5.2872,
5.6339

267.3370,

 0.8148, 2.4167,

334.8170, 362.5954

2.5586

319.3688,
396.0973, 429.0861

■ 0.0000, 0.8345,
0.8710

■ 0.0000, 0.0000,
0.0000

■ 50.1640, 71.1085,
76.7270

■ 50.1640, 71.1085,
76.7270

■ 47.0702, 69.5799,
73.6691

■ 54.0867, 73.0662,
79.9047

■ 44.7306, 68.4366,
70.7222


■ 58.8930, 75.4760,
83.2006


■ 43.0673, 67.6402,
67.8835


■ 64.6402, 78.3690,
86.6195

■ 41.9817, 67.1400,
65.1480


■ 71.3786, 81.7714,
90.1644


 41.5931, 66.9676,
63.8642

 79.1553, 85.7071,
93.8380

 88.0141, 90.1990,
97.6430

 89.5542, 90.9161,
101.1867

 90.2350, 91.1884,
104.7720

 90.7465, 91.3930,
107.4655

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.4032, 71.1085, 52.6101



50.1640, 71.1085, 76.7270



52.1971, 71.1085, 107.5084

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.1640, 71.1085, 76.7270



77.4050, 71.1085, 135.9108



77.8694, 71.1085, 39.1543

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.1640, 71.1085, 76.7270



45.8054, 31.0938, 25.4198

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.7375, 71.1085, 53.5530



50.1640, 71.1085, 76.7270



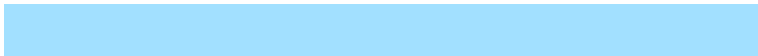
85.4513, 71.1085, 109.0249

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.1640, 71.1085, 76.7270



67.3423, 71.1085, 146.3674



88.6375, 71.1085, 78.1274



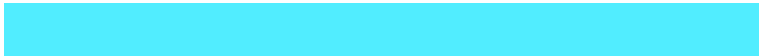
67.8313, 71.1085, 34.4620

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.1640, 71.1085, 76.7270



55.8275, 71.1085, 126.9590



88.6375, 71.1085, 78.1274



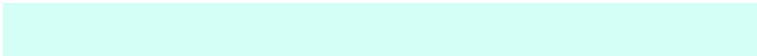
80.8906, 71.1085, 42.8120

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.1660, 71.1113, 76.7287



79.6264, 92.1914, 101.7366



43.7400, 68.9327, 25.1887



16.7024, 19.5605, 21.6007



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.1660, 71.1113, 76.7287



53.2023, 78.9477, 83.4020



42.4603, 50.3347, 90.6999



16.1178, 17.8772, 19.6433



22.6001, 36.3321, 34.8729



1.9117, 3.0351, 3.0673

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45.8054, 31.0938, 25.4198



47.8391, 29.3140, 19.9889



49.9097, 41.6357, 19.5947



15.8893, 15.8054, 16.9731



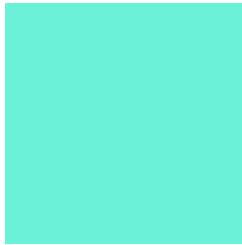
19.9479, 10.2516, 2.3761



1.6919, 0.8658, 0.3687

Previews

White Background



This preview shows how the XYZ color 50.1640, 71.1085, 76.7270 looks on a white background.

Color Contrast Check

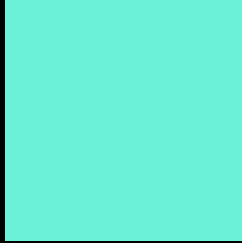
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 50.1640, 71.1085, 76.7270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

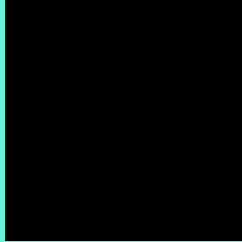
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

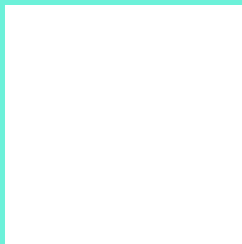
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1640, 71.1085, 76.7270

Background



This preview shows how black text looks on a background with the XYZ color 50.1640, 71.1085, 76.7270.

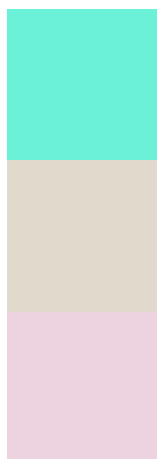


This preview shows how white text looks on a background with the XYZ color 50.1640, 71.1085,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50.1640, 71.1085, 76.7270

Protanopia

66.7633, 69.9929, 67.1179

Deuteranopia

71.2056, 69.7491, 79.5220



Tritanopia

55.9306, 71.2759, 105.4175

Trichromacy



Original Color

50.1640, 71.1085, 76.7270



Protanomaly

57.9964, 68.9412, 70.5719



Deuteranomaly

60.1587, 68.2818, 78.4156



Tritanomaly

53.6542, 71.2129, 94.1367

Monochromacy



Original Color

50.1640, 71.1085, 76.7270



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

50.9130, 60.6564, 67.4170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1640, 71.1085, 76.7270 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(108, 241, 217)` looks like.

```
.text, #text, p{  
    color:rgb(108, 241, 217)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(108, 241, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 241, 217) }
```

Border

The CSS property to change the border of an element to XYZ 50.1640, 71.1085, 76.7270 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 241, 217) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(108, 241, 217) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(108, 241, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 241, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 241, 217);  
box-shadow:4px 4px 4px 4px rgb(108, 241,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1640, 71.1085, 76.7270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 241, 217) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(108,  
241, 217) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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