

Converting Colors

XYZ(48.0200, 69.7807, 66.8850)

Have a look what the booklet for
XYZ(48.0200, 69.7807, 66.8850)
contains.

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Color

**XYZ(48.0051, 69.7726,
66.8144)**

Conversions

Conversions Part 1

Format	Color
Hex	6CF0CA
RGB	108, 240, 202
RGB Percent	42%, 94%, 79%
CMY	0.5765, 0.0588, 0.2078
CMYK	0.55, 0.00, 0.16, 0.06
HSL	163°, 81%, 68%
HSV	163°, 55%, 94%
XYZ	48.0051, 69.7726, 66.8144
YIQ	196.2000, -66.4740, -39.8020

Conversions

Conversions Part 2

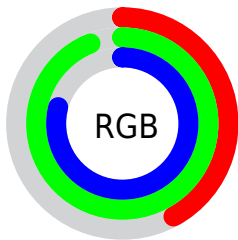
Format	Color
RYB	108, 185, 240
Decimal	7139530
CIELab	86.89, -45.28, 7.43
CIELCh	87, 45.890, 170.678
Yxy	69.7726, 0.2601, 0.3780
Android (android.graphics.Color)	4285329610 (0xFF6CF0CA)
YUV	196.2000, 2.8594, -77.3514
Hunter-Lab	83.5300, -43.5927, 11.0458

Details

The XYZ color **48.0051, 69.7726, 66.8144** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **46.4884, 31.3275, 30.7934**, and the grayscale version is **52.6030, 55.3425, 60.2680**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **23.0417, 36.3984, 33.8281** is the 20% darker color. If you saturate the color by 10%, you get **44.6786, 68.1519, 62.4843**, and if you desaturate by 10%, it is **52.1754, 71.8276, 71.3783**.

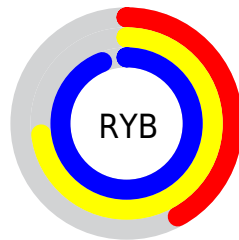
Distribution



Red (42%)

Green (94%)

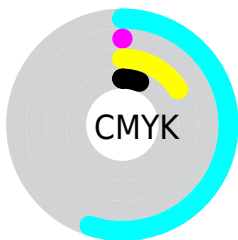
Blue (79%)



Red (42%)

Yellow (73%)

Blue (94%)

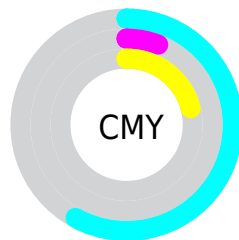


Cyan (55%)

Magenta (0%)

Yellow (16%)

Black (6%)



Cyan (58%)


Magenta (6%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0051, 69.7726, 66.8144 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 48.0051, 69.7726, 66.8144 by changing the saturation by 10% instead.


 48.0051, 69.7726,
66.8144


 48.0051, 69.7726,
66.8144

369.3946,
459.7512, 467.7673


 34.0422, 51.3412,
48.4732


 86.4216, 118.8844,
116.2925

 23.0891, 36.4802,
33.8391


 111.6060,
150.3336, 148.2665

 14.7803, 24.8053,
22.4937


 141.2615,
186.8908, 185.6219

 8.7507, 15.9320,
14.0183


175.7536,
228.9404, 228.7770

 4.6347, 9.4761,
7.9945

215.4476,
276.8669, 278.1506

 2.0671, 5.0530,
4.0037

260.7089,

 0.6712, 2.2784,

331.0546, 334.1612

1.6274

311.9028,
391.8879, 397.2273

■ 0.0000, 0.7622,
0.3102

■ 0.0000, 0.0000,
0.0000

■ 48.0051, 69.7726,
66.8144

■ 48.0051, 69.7726,
66.8144

■ 44.6786, 68.1519,
62.4843

■ 52.1754, 71.8276,
71.3783

■ 42.1218, 66.9221,
58.3774


■ 57.2441, 74.3396,
76.1765


■ 40.2575, 66.0451,
54.4892

■ 63.2680, 77.3398,
81.2153


■ 38.9884, 65.4710,
50.8126


■ 70.2972, 80.8538,
86.4997

 38.5032, 65.2594,
49.0490

 78.3786, 84.9058,
92.0339

 87.5558, 89.5182,
97.8224

 89.7146, 90.5079,
103.4876

 90.4513, 90.8026,
107.3671

Harmonies

Analogous

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



51.6313, 69.7726, 44.3984



48.0051, 69.7726, 66.8144



48.8601, 69.7726, 98.7503

Triad

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



48.0051, 69.7726, 66.8144



73.8554, 69.7726, 145.5616



80.2368, 69.7726, 38.8780

Complementary

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



48.0051, 69.7726, 66.8144



46.4884, 31.3275, 30.7934

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.



87.5029, 69.7726, 56.9946



48.0051, 69.7726, 66.8144



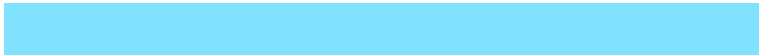
83.5521, 69.7726, 119.7924

Square

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



48.0051, 69.7726, 66.8144



63.0375, 69.7726, 150.2696



88.7774, 69.7726, 85.9271



69.7078, 69.7726, 31.3774

Rectangle

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



48.0051, 69.7726, 66.8144



51.8968, 69.7726, 121.2462



88.7774, 69.7726, 85.9271



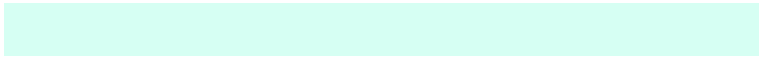
83.1873, 69.7726, 43.6555

Sweetspot

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



48.0070, 69.7754, 66.8160



79.7660, 92.3327, 98.6130



46.0096, 69.6644, 25.2102



16.7014, 19.5769, 20.8355



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.



48.0070, 69.7754, 66.8160



50.8697, 78.0147, 71.1188



45.8601, 57.3729, 91.0983



16.0421, 17.8468, 19.2444



21.1368, 35.7467, 27.1670



1.8012, 2.9909, 2.4853

Inverse Universe

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



46.4884, 31.3275, 30.7934



49.0079, 29.7815, 26.1436



47.2247, 36.7709, 18.7970



15.9599, 15.8337, 17.3452



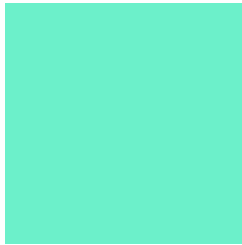
20.3108, 10.3967, 4.2873



1.7311, 0.8815, 0.5751

Previews

White Background



This preview shows how the XYZ color 48.0051, 69.7726, 66.8144 looks on a white background.

Color Contrast Check

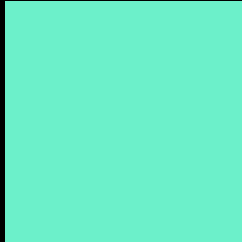
Large Text (above 18pt) WCAG AA × Fail

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 48.0051, 69.7726, 66.8144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

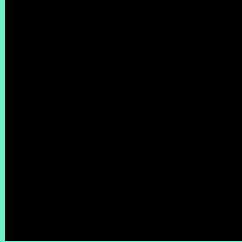
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

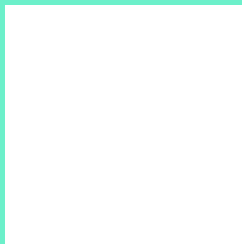
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0051, 69.7726, 66.8144

Background



This preview shows how black text looks on a background with the XYZ color 48.0051, 69.7726, 66.8144.

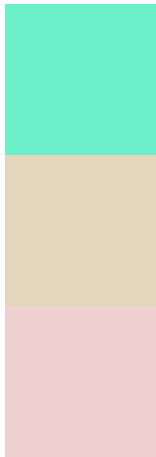


This preview shows how white text looks on a background with the XYZ color 48.0051, 69.7726,

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

48.0051, 69.7726, 66.8144

Protanopia

64.8498, 68.4438, 57.9371

Deuteranopia

70.2443, 68.7296, 69.8855



Tritanopia

55.0218, 69.5912, 102.6279

Trichromacy



Original Color

48.0051, 69.7726, 66.8144



Protanomaly

55.9217, 67.2736, 61.0767



Deuteranomaly

58.4720, 66.8491, 68.2139



Tritanomaly

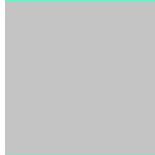
52.3179, 69.7830, 88.5539

Monochromacy



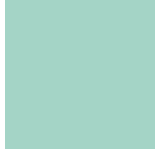
Original Color

48.0051, 69.7726, 66.8144



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.0464, 59.0567, 62.2401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0051, 69.7726, 66.8144 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, 240, 202)` looks like.

```
.text, #text, p{  
    color:rgb(108, 240, 202)  
}
```

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, 240, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 240, 202) }
```

Border

The CSS property to change the border of an element to XYZ 48.0051, 69.7726, 66.8144 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, 240, 202) }
```


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

```
.border{ border-color:rgb(108, 240, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 240, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 240, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 240, 202);  
box-shadow:4px 4px 4px 4px rgb(108, 240,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0051, 69.7726, 66.8144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 240, 202) }
```

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

```
.background{ background-color: rgb(108,  
240, 202) }
```

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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