

Converting Colors

XYZ(48.5971, 70.9567, 67.0118)

Have a look what the booklet for
XYZ(48.5971, 70.9567, 67.0118)
contains.

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Color

**XYZ(48.5971, 70.9567,
67.0118)**

Conversions

Conversions Part 1

Format	Color
Hex	6CF2CA
RGB	108, 242, 202
RGB Percent	42%, 95%, 79%
CMY	0.5765, 0.0510, 0.2078
CMYK	0.55, 0.00, 0.17, 0.05
HSL	162°, 84%, 69%
HSV	162°, 55%, 95%
XYZ	48.5971, 70.9567, 67.0118
YIQ	197.3740, -67.0240, -40.8480

Conversions

Conversions Part 2

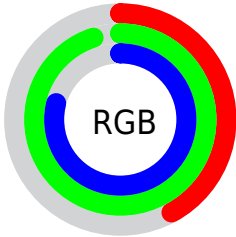
Format	Color
RYB	108, 187, 242
Decimal	7140042
CIELab	87.46, -46.15, 8.26
CIELCh	87, 46.883, 169.847
Yxy	70.9567, 0.2605, 0.3803
Android (android.graphics.Color)	4285330122 (0xFF6CF2CA)
YUV	197.3740, 2.2806, -78.3810
Hunter-Lab	84.2358, -44.4329, 11.7983

Details

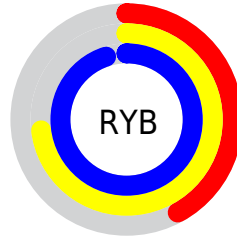
The XYZ color **48.5971, 70.9567, 67.0118** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **47.3281, 31.7422, 31.6518**, and the grayscale version is **53.3143, 56.0908, 61.0829**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **23.4218, 37.2111, 33.9650** is the 20% darker color. If you saturate the color by 10%, you get **45.2171, 69.3126, 62.4935**, and if you desaturate by 10%, it is **52.8377, 73.0435, 71.7826**.

Distribution



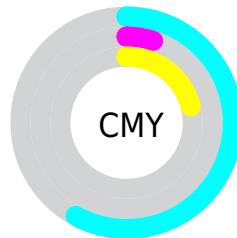
- Red (42%)
- Green (95%)
- Blue (79%)



- Red (42%)
- Yellow (73%)
- Blue (95%)



- Cyan (55%)
- Magenta (0%)
- Yellow (17%)
- Black (5%)





- Cyan (58%)
- Magenta (5%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5971, 70.9567, 67.0118 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 48.5971, 70.9567, 67.0118 by changing the saturation by 10% instead.


 48.5971, 70.9567,
67.0118


 48.5971, 70.9567,
67.0118


371.6973,
463.9021, 468.4894


 34.5132, 52.3069,
48.6326


 87.2971, 120.5721,
116.5781

 23.4529, 37.2497,
33.9645


 112.6439,
152.3064, 148.6023

 15.0508, 25.4009,
22.5892


 142.4757,
189.1710, 186.0119

 8.9416, 16.3760,
14.0880

177.1579,
231.5503, 229.2253

 4.7599, 9.7906,
8.0425

217.0558,
279.8286, 278.6613

 2.1404, 5.2603,
4.0340


262.5347,


 0.7110, 2.4008,


334.3904, 334.7383


1.6440


313.9602,
395.6201, 397.8748


 0.0000, 0.8263,
0.3219


 0.0000, 0.0000,
0.0000


 48.5971, 70.9567,
67.0118


 48.5971, 70.9567,
67.0118


 45.2171, 69.3126,
62.4935


 52.8377, 73.0435,
71.7826


 42.6220, 68.0667,
58.2166


 57.9951, 75.5963,
76.8066


 40.7320, 67.1799,
54.1761


 64.1274, 78.6470,
82.0907


 39.4470, 66.6005,
50.3643


 71.2862, 82.2221,
87.6402

 38.9864, 66.4000,
48.6732

 79.5191, 86.3461,
93.4597

 88.8712, 91.0420,
99.5541

 90.6550, 91.8314,
105.5192

 91.0434, 91.9868,
107.5645

Harmonies

Analogous

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



52.4562, 70.9567, 44.2605



48.5971, 70.9567, 67.0118



49.3487, 70.9567, 99.8419

Triad

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



48.5971, 70.9567, 67.0118



74.9245, 70.9567, 149.8886



82.1085, 70.9567, 39.4267

Complementary

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



48.5971, 70.9567, 67.0118



47.3281, 31.7422, 31.6518

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.



89.4923, 70.9567, 58.3686



48.5971, 70.9567, 67.0118



85.0408, 70.9567, 123.5728

Square

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



48.5971, 70.9567, 67.0118



63.7619, 70.9567, 154.0716



90.6205, 70.9567, 88.5027



71.2614, 70.9567, 31.4725

Rectangle

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



48.5971, 70.9567, 67.0118



52.3946, 70.9567, 123.2329



90.6205, 70.9567, 88.5027



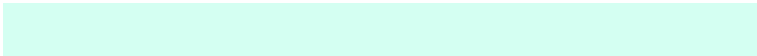
85.1259, 70.9567, 44.4323

Sweetspot

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



48.5991, 70.9595, 67.0134



78.8465, 91.8794, 97.6297



46.7100, 70.9045, 25.4124



16.5169, 19.4863, 20.6243



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.



48.5991, 70.9595, 67.0134



50.6528, 77.9280, 69.9768



46.5649, 58.3043, 92.8074



16.0346, 17.8439, 19.2052



21.0061, 35.6945, 26.4788



1.7911, 2.9869, 2.4324

Inverse Universe

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



47.3281, 31.7422, 31.6518



49.1351, 29.8324, 26.8134



47.9630, 37.2340, 18.8473



15.9670, 15.8365, 17.3823



20.3565, 10.4150, 4.5278



1.7357, 0.8833, 0.5990

Previews

White Background



This preview shows how the XYZ color 48.5971, 70.9567, 67.0118 looks on a white background.

Color Contrast Check

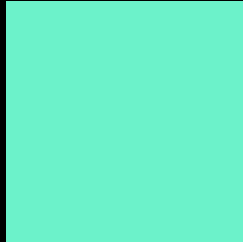
Large Text (above 18pt) WCAG AA × Fail

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 48.5971, 70.9567, 67.0118 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

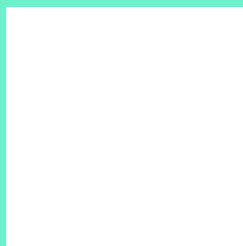
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5971, 70.9567, 67.0118

Background



This preview shows how black text looks on a background with the XYZ color 48.5971, 70.9567, 67.0118.

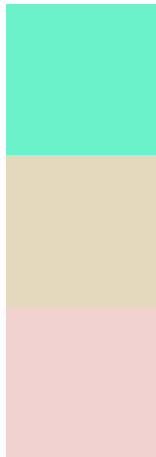


This preview shows how white text looks on a background with the XYZ color 48.5971, 70.9567,

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

48.5971, 70.9567, 67.0118

Protanopia

65.9931, 69.7938, 58.1375

Deuteranopia

71.1732, 69.5739, 69.9995



Tritanopia

56.0552, 70.9324, 104.5028

Trichromacy



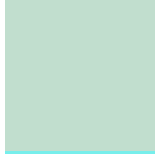
Original Color

48.5971, 70.9567, 67.0118



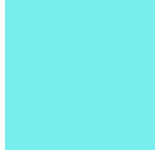
Protanomaly

56.7011, 68.4781, 61.2681



Deuteranomaly

59.2542, 68.0362, 68.4018



Tritanomaly

53.1777, 71.0692, 89.5122

Monochromacy



Original Color

48.5971, 70.9567, 67.0118



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.6201, 59.7114, 62.9430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5971, 70.9567, 67.0118 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, 242, 202)` looks like.

```
.text, #text, p{  
    color:rgb(108, 242, 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, 242, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 242, 202) }
```

Border

The CSS property to change the border of an element to XYZ 48.5971, 70.9567, 67.0118 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, 242, 202) }
```


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

```
.border{ border-color:rgb(108, 242, 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, 242, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 242, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 242, 202);  
box-shadow:4px 4px 4px 4px rgb(108, 242,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5971, 70.9567, 67.0118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 242, 202) }
```

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

```
.background{ background-color: rgb(108,  
242, 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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