

Converting Colors

XYZ(45.9489, 70.4324, 48.9965)

Have a look what the booklet for
XYZ(45.9489, 70.4324, 48.9965)
contains.

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Color

**XYZ(45.9884, 70.4482,
49.2042)**

Conversions

Conversions Part 1

Format	Color
Hex	70F3AA
RGB	112, 243, 170
RGB Percent	44%, 95%, 67%
CMY	0.5608, 0.0470, 0.3333
CMYK	0.54, 0.00, 0.30, 0.05
HSL	147°, 85%, 70%
HSV	147°, 54%, 95%
XYZ	45.9884, 70.4482, 49.2042
YIQ	195.5090, -54.6430, -50.4750

Conversions

Conversions Part 2

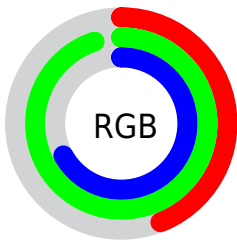
Format	Color
RYB	112, 203, 243
Decimal	7402410
CIELab	87.22, -52.37, 24.48
CIELCh	87, 57.807, 154.944
Yxy	70.4482, 0.2776, 0.4253
Android (android.graphics.Color)	4285592490 (0xFF70F3AA)
YUV	195.5090, -12.5759, -73.2374
Hunter-Lab	83.9334, -49.0806, 23.9959

Details

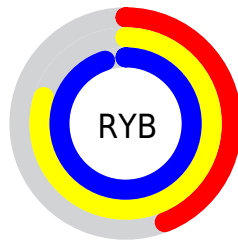
The XYZ color **45.9884, 70.4482, 49.2042** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.5156, 34.1474, 49.7776**, and the grayscale version is **52.2732, 54.9955, 59.8901**.

A 20% lighter version of the original color is **66.5007, 85.7816, 85.0041**, and **21.8520, 36.9601, 22.8119** is the 20% darker color. If you saturate the color by 10%, you get **42.0881, 68.5799, 42.6763**, and if you desaturate by 10%, it is **50.8585, 72.8050, 56.4694**.

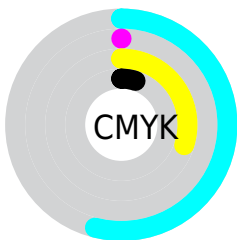
Distribution



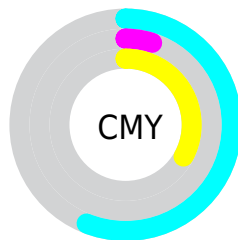
- Red (44%)
- Green (95%)
- Blue (67%)



- Red (44%)
- Yellow (80%)
- Blue (95%)



- Cyan (54%)
- Magenta (0%)
- Yellow (30%)
- Black (5%)





- Cyan (56%)
- Magenta (5%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9884, 70.4482, 49.2042 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 45.9884, 70.4482, 49.2042 by changing the saturation by 10% instead.


 45.9884, 70.4482,
49.2042

 45.9884, 70.4482,
49.2042


361.4787,
462.1222, 400.1912


 32.4413, 51.8920,
34.4147


 83.4296, 119.8477,
90.3788

 21.8559, 36.9190,
22.9325

 108.0544,
151.4598, 117.6010

 13.8671, 25.1448,
14.3388


 137.1024,
188.1927, 149.8045

 8.1094, 16.1850,
8.2153

170.9390,
230.4307, 187.4080

 4.2174, 9.6551,
4.1433

209.9296,
278.5582, 230.8298

 1.8258, 5.1709,
1.7043


254.4395,

 0.5332, 2.3479,


332.9597, 280.4886


0.3636


304.8341,
394.0196, 336.8029


 0.0000, 0.7989,
0.0000


 0.0000, 0.0000,
0.0000


 45.9884, 70.4482,
49.2042


 45.9884, 70.4482,
49.2042

 42.0881, 68.5799,
42.6763


 50.8585, 72.8050,
56.4694


 39.0793, 67.1545,
36.8568


 56.7579, 75.6749,
64.4900


 36.8800, 66.1321,
31.7216

 63.7475, 79.0906,
73.2895

 35.3885, 65.4608,
27.2429

 71.8818, 83.0799,
82.8887

 34.7367, 65.1777,
24.8222

 81.2114, 87.6686,
93.3077

 90.7443, 92.3447,
104.5171

 91.3419, 92.5838,
107.6640

Harmonies

Analogous

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



53.0942, 70.4482, 30.2996



45.9884, 70.4482, 49.2042



44.1763, 70.4482, 83.3300

Triad

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



45.9884, 70.4482, 49.2042



69.2335, 70.4482, 177.8794



90.7136, 70.4482, 41.3631

Complementary

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



45.9884, 70.4482, 49.2042



51.5156, 34.1474, 49.7776

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.



96.4739, 70.4482, 70.4429



45.9884, 70.4482, 49.2042



83.0488, 70.4482, 155.7436

Square

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



45.9884, 70.4482, 49.2042



56.5022, 70.4482, 166.3028



93.4956, 70.4482, 112.9182



78.6321, 70.4482, 26.9622

Rectangle

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



45.9884, 70.4482, 49.2042



45.9716, 70.4482, 112.7463



93.4956, 70.4482, 112.9182



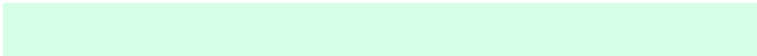
93.5226, 70.4482, 49.3031

Sweetspot

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



45.9903, 70.4511, 49.2058



78.1530, 91.6874, 90.1188



55.2840, 75.7425, 27.0361



16.3165, 19.4230, 18.8087



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.



45.9903, 70.4511, 49.2058



46.4820, 76.2875, 46.7537



53.6246, 73.5048, 89.4076



16.5870, 18.5940, 19.1097



19.1294, 35.7966, 13.9671



1.7321, 3.1665, 1.4952

Inverse Universe

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



51.5156, 34.1474, 49.7776



53.2371, 31.8080, 47.3819



46.1932, 32.0184, 21.7500



16.8858, 16.6372, 19.1450



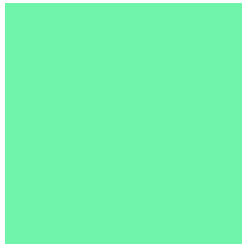
22.7714, 11.4520, 14.0363



2.0531, 1.0272, 1.5058

Previews

White Background



This preview shows how the XYZ color 45.9884, 70.4482, 49.2042 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 45.9884, 70.4482, 49.2042 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

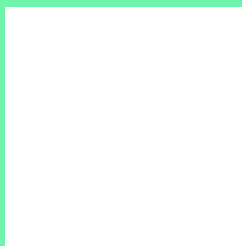
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9884, 70.4482, 49.2042

Background



This preview shows how black text looks on a background with the XYZ color 45.9884, 70.4482, 49.2042.

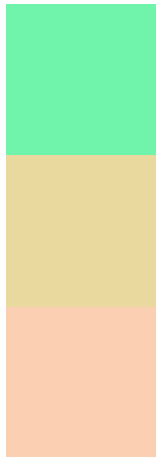


This preview shows how white text looks on a background with the XYZ color 45.9884, 70.4482,

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

45.9884, 70.4482, 49.2042

Protanopia

64.5887, 69.4180, 42.3426

Deuteranopia

70.3754, 68.8353, 51.6968



Tritanopia

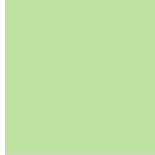
56.5432, 70.3938, 101.8740

Trichromacy



Original Color

45.9884, 70.4482, 49.2042



Protanomaly

54.7042, 67.8202, 44.3898



Deuteranomaly

57.4137, 67.0874, 50.4806



Tritanomaly

52.2214, 70.3543, 79.9346

Monochromacy



Original Color

45.9884, 70.4482, 49.2042



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

48.2809, 59.1757, 55.8911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9884, 70.4482, 49.2042 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(112, 243, 170)` looks like.

```
.text, #text, p{  
    color:rgb(112, 243, 170)  
}
```

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(112, 243, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 243, 170) }
```

Border

The CSS property to change the border of an element to XYZ 45.9884, 70.4482, 49.2042 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(112, 243, 170) }
```


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

```
.border{ border-color:rgb(112, 243, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 243, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 243, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 243, 170);  
box-shadow:4px 4px 4px 4px rgb(112, 243,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9884, 70.4482, 49.2042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 243, 170) }
```

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

```
.background{ background-color: rgb(112,  
243, 170) }
```

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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