

Converting Colors

XYZ(47.9543, 71.6137, 57.4458)

Have a look what the booklet for
XYZ(47.9543, 71.6137, 57.4458)
contains.

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Color

**XYZ(48.0471, 71.7816,
57.2218)**

Conversions

Conversions Part 1

Format	Color
Hex	72F4B9
RGB	114, 244, 185
RGB Percent	45%, 96%, 73%
CMY	0.5529, 0.0431, 0.2745
CMYK	0.53, 0.00, 0.24, 0.04
HSL	153°, 86%, 70%
HSV	153°, 53%, 96%
XYZ	48.0471, 71.7816, 57.2218
YIQ	198.4040, -58.5410, -45.9090

Conversions

Conversions Part 2

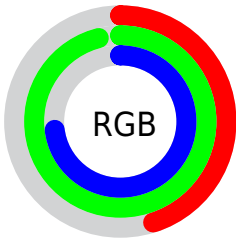
Format	Color
RYB	114, 198, 244
Decimal	7533753
CIELab	87.86, -49.38, 17.68
CIElCh	88, 52.453, 160.305
Yxy	71.7816, 0.2714, 0.4054
Android (android.graphics.Color)	4285723833 (0xFF72F4B9)
YUV	198.4040, -6.6082, -74.0223
Hunter-Lab	84.7240, -47.0395, 19.2629

Details

The XYZ color **48.0471, 71.7816, 57.2218** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **50.8708, 34.2866, 43.4748**, and the grayscale version is **53.9885, 56.8001, 61.8553**.

A 20% lighter version of the original color is **69.0927, 86.8695, 96.3450**, and **23.1541, 37.8350, 27.9123** is the 20% darker color. If you saturate the color by 10%, you get **44.1628, 69.9110, 51.1740**, and if you desaturate by 10%, it is **52.8727, 74.1308, 63.7922**.

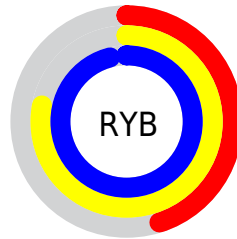
Distribution



Red (45%)

Green (96%)

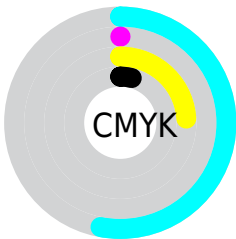
Blue (73%)



Red (45%)

Yellow (78%)

Blue (96%)

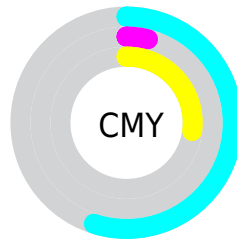


Cyan (53%)

Magenta (0%)

Yellow (24%)

Black (4%)



Cyan (55%)


Magenta (4%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0471, 71.7816, 57.2218 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 48.0471, 71.7816, 57.2218 by changing the saturation by 10% instead.


 48.0471, 71.7816,
57.2218


 48.0471, 71.7816,
57.2218

369.5583,
466.7811, 431.7969


 34.0756, 52.9803,
40.7728


 86.4838, 121.7460,
102.2923

 23.1148, 37.7870,
27.8232


 111.6797,
153.6778, 131.7509

 14.7995, 25.8174,
17.9546


 141.3478,
190.7553, 166.3830

 8.7642, 16.6871,
10.7483

175.8534,
233.3628, 206.6074

 4.6436, 10.0117,
5.7858

215.5619,
281.8848, 252.8424

 2.0723, 5.4067,
2.6486

260.8386,

 0.6741, 2.4878,

336.7055, 305.5066

0.9174

312.0490,
398.2095, 365.0186

0.0000, 0.8705,
0.0000

0.0000, 0.0000,
0.0000

48.0471, 71.7816,
57.2218

48.0471, 71.7816,
57.2218

44.1628, 69.9110,
51.1740

52.8727, 74.1308,
63.7922

41.1431, 68.4738,
45.6298


58.6971, 76.9822,
70.8936


38.9080, 67.4311,
40.5758


65.5800, 80.3684,
78.5405

37.3584, 66.7320,
35.9958

73.5744, 84.3163,
86.7451

 36.6037, 66.4047,
33.1730

 82.7297, 88.8513,
95.5194

 91.0754, 92.9573,
104.7802

 91.6420, 93.1840,
107.7640

Harmonies

Analogous

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



53.8599, 71.7816, 36.6104



48.0471, 71.7816, 57.2218



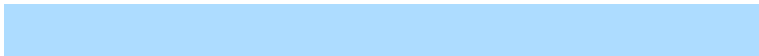
47.2474, 71.7816, 91.0993

Triad

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



48.0471, 71.7816, 57.2218



72.6068, 71.7816, 167.0739



88.1972, 71.7816, 41.6176

Complementary

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



48.0471, 71.7816, 57.2218



50.8708, 34.2866, 43.4748

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.



94.6448, 71.7816, 66.5042



48.0471, 71.7816, 57.2218



84.9440, 71.7816, 143.1046

Square

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



48.0471, 71.7816, 57.2218



60.4593, 71.7816, 162.2917



93.3866, 71.7816, 103.6637



76.6314, 71.7816, 29.6888

Rectangle

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



48.0471, 71.7816, 57.2218



49.5459, 71.7816, 118.1890



93.3866, 71.7816, 103.6637



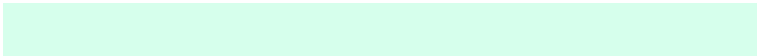
91.0952, 71.7816, 48.3716

Sweetspot

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



48.0490, 71.7845, 57.2234



78.7605, 91.9305, 93.3182



52.9948, 74.9948, 27.6029



16.4611, 19.4808, 19.5701



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.



48.0490, 71.7845, 57.2234



48.4870, 77.1184, 56.0083



54.3330, 72.2362, 96.6708



16.6608, 18.6235, 19.4984



19.9722, 36.1337, 18.4050



1.8072, 3.1965, 1.8905

Inverse Universe

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



50.8708, 34.2866, 43.4748



51.9208, 31.6281, 39.3822



46.8653, 33.4852, 19.9138



16.8119, 16.6076, 18.7558



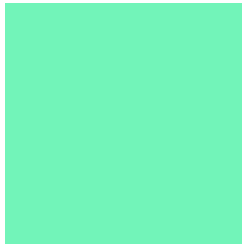
21.9055, 11.1056, 9.4767



1.9764, 0.9965, 1.1021

Previews

White Background



This preview shows how the XYZ color 48.0471, 71.7816, 57.2218 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 48.0471, 71.7816, 57.2218 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 48.0471, 71.7816, 57.2218

Background



This preview shows how black text looks on a background with the XYZ color 48.0471, 71.7816, 57.2218.

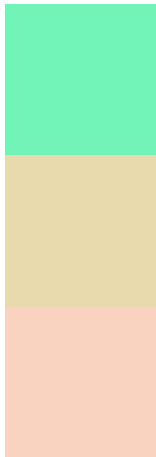


This preview shows how white text looks on a background with the XYZ color 48.0471, 71.7816,

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

48.0471, 71.7816, 57.2218

Protanopia

66.2185, 70.4836, 49.6498

Deuteranopia

71.8756, 70.5340, 59.6953



Tritanopia

57.4292, 71.6408, 104.5671

Trichromacy



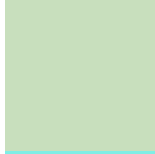
Original Color

48.0471, 71.7816, 57.2218



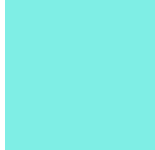
Protanomaly

56.6401, 69.0596, 51.9396



Deuteranomaly

59.3924, 68.7288, 58.2798



Tritanomaly

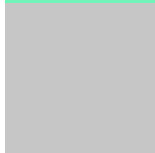
53.4698, 71.3182, 85.0764

Monochromacy



Original Color

48.0471, 71.7816, 57.2218



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.8624, 60.6666, 59.5339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0471, 71.7816, 57.2218 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(114, 244, 185)` looks like.

```
.text, #text, p{  
    color:rgb(114, 244, 185)  
}
```

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(114, 244, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 244, 185) }
```

Border

The CSS property to change the border of an element to XYZ 48.0471, 71.7816, 57.2218 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(114, 244, 185) }
```


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

```
.border{ border-color:rgb(114, 244, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 244, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 244, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 244, 185);  
box-shadow:4px 4px 4px 4px rgb(114, 244,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0471, 71.7816, 57.2218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 244, 185) }
```

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

```
.background{ background-color: rgb(114,  
244, 185) }
```

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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