

Converting Colors

XYZ(49.1040, 71.4378, 64.7579)

Have a look what the booklet for
XYZ(49.1040, 71.4378, 64.7579)
contains.

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Color

**XYZ(49.0154, 71.2263,
64.5908)**

Conversions

Conversions Part 1

Format	Color
Hex	73F2C6
RGB	115, 242, 198
RGB Percent	45%, 95%, 78%
CMY	0.5490, 0.0510, 0.2235
CMYK	0.52, 0.00, 0.18, 0.05
HSL	159°, 83%, 70%
HSV	159°, 52%, 95%
XYZ	49.0154, 71.2263, 64.5908
YIQ	199.0110, -61.5680, -40.6080

Conversions

Conversions Part 2

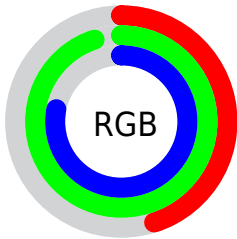
Format	Color
R _Y B	115, 192, 242
Decimal	7598790
CIE Lab	87.59, -45.57, 10.56
CIE LCh	88, 46.778, 166.948
Yxy	71.2263, 0.2652, 0.3854
Android (android.graphics.Color)	4285788870 (0xFF73F2C6)
YUV	199.0110, -0.4984, -73.6776
Hunter-Lab	84.3957, -44.0230, 13.7004

Details

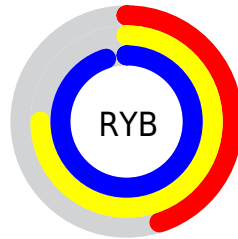
The XYZ color **49.0154, 71.2263, 64.5908** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **49.0090, 33.6437, 36.7143**, and the grayscale version is **54.3244, 57.1535, 62.2402**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **23.6984, 37.3896, 32.3534** is the 20% darker color. If you saturate the color by 10%, you get **45.3009, 69.4219, 59.5083**, and if you desaturate by 10%, it is **53.6226, 73.4884, 69.9977**.

Distribution



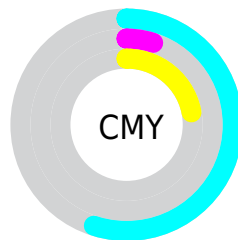
- Red (45%)
- Green (95%)
- Blue (78%)



- Red (45%)
- Yellow (75%)
- Blue (95%)



- Cyan (52%)
- Magenta (0%)
- Yellow (18%)
- Black (5%)





- Cyan (55%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0154, 71.2263, 64.5908 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 49.0154, 71.2263, 64.5908 by changing the saturation by 10% instead.


 49.0154, 71.2263,
64.5908


 49.0154, 71.2263,
64.5908


373.3189,
464.8441, 459.5859


 34.8463, 52.5269,
46.6801


 87.9149, 120.9559,
113.0690

 23.7104, 37.4252,
32.4303


 113.3760,
152.7549, 144.4736

 15.2425, 25.5369,
21.4229


 143.3318,
189.6892, 181.2132

 9.0772, 16.4775,
13.2392

178.1477,
232.1432, 223.7064

 4.8491, 9.8627,
7.4608

218.1890,
280.5013, 272.3717

 2.1928, 5.3080,
3.6691


263.8210,


 0.7390, 2.4291,


335.1479, 327.6277


1.4456


315.4092,
396.4674, 389.8930


 0.0000, 0.8408,
0.1769


 0.0000, 0.0000,
0.0000


 49.0154, 71.2263,
64.5908


 49.0154, 71.2263,
64.5908


 45.3009, 69.4219,
59.5083


 53.6226, 73.4884,
69.9977


 42.4053, 68.0318,
54.7377


 59.1770, 76.2306,
75.7312


 40.2529, 67.0188,
50.2723


 65.7356, 79.4842,
81.8000


 38.7494, 66.3344,
46.1031

 73.3490, 83.2750,
88.2104

 37.9384, 65.9808,
43.1544

 82.0645, 87.6275,
94.9689

 89.9849, 91.5634,
101.9906

 91.0434, 91.9867,
107.5645

Harmonies

Analogous

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



53.3111, 71.2263, 42.9508



49.0154, 71.2263, 64.5908



49.3179, 71.2263, 96.7064

Triad

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



49.0154, 71.2263, 64.5908



74.0919, 71.2263, 151.6607



83.2860, 71.2263, 41.0052

Complementary

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



49.0154, 71.2263, 64.5908



49.0090, 33.6437, 36.7143

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.



90.1578, 71.2263, 61.1125



49.0154, 71.2263, 64.5908



84.4661, 71.2263, 127.0293

Square

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



49.0154, 71.2263, 64.5908



63.0065, 71.2263, 153.3438



90.6118, 71.2263, 92.1435



72.6177, 71.2263, 32.0511

Rectangle

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



49.0154, 71.2263, 64.5908



52.0790, 71.2263, 120.2480



90.6118, 71.2263, 92.1435



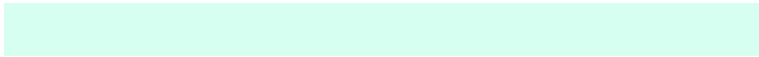
86.1649, 71.2263, 46.3904

Sweetspot

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



49.0174, 71.2291, 64.5924



79.4068, 92.1890, 96.7216



49.2363, 72.1620, 27.5544



16.6154, 19.5426, 20.3827



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.



49.0174, 71.2291, 64.5924



50.7603, 78.0575, 66.6309



49.4738, 62.8070, 93.5231



16.0012, 17.8305, 19.0292



20.4469, 35.4708, 23.5343



1.7477, 2.9695, 2.2037

Inverse Universe

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



49.0090, 33.6437, 36.7143



50.7798, 31.5302, 32.2682



48.2466, 37.1809, 20.8545



15.9989, 15.8493, 17.5503



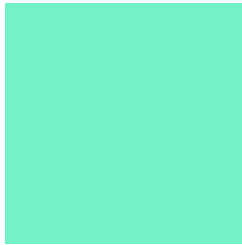
20.5859, 10.5068, 5.7358



1.7578, 0.8922, 0.7154

Previews

White Background



This preview shows how the XYZ color 49.0154, 71.2263, 64.5908 looks on a white background.

Color Contrast Check

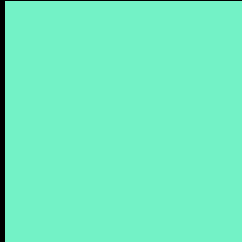
Large Text (above 18pt) WCAG AA × Fail

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 49.0154, 71.2263, 64.5908 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 49.0154, 71.2263, 64.5908

Background



This preview shows how black text looks on a background with the XYZ color 49.0154, 71.2263, 64.5908.

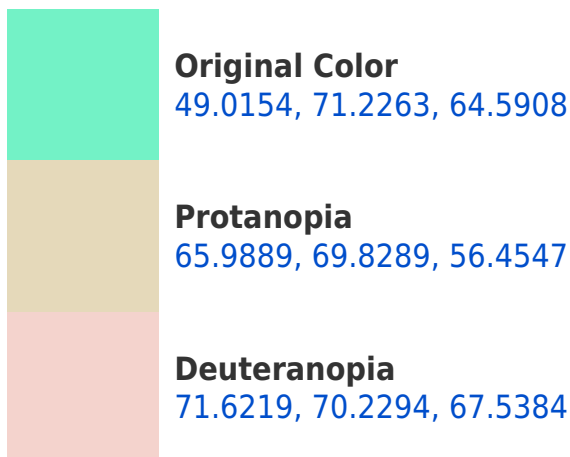


This preview shows how white text looks on a background with the XYZ color 49.0154, 71.2263, 64.5908.

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





Tritanopia

56.6682, 70.8430, 103.6158

Trichromacy



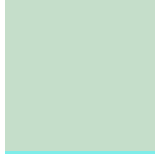
Original Color

49.0154, 71.2263, 64.5908



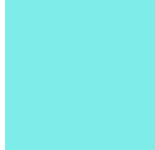
Protanomaly

57.2297, 68.8018, 58.9789



Deuteranomaly

59.8079, 68.3771, 65.9230



Tritanomaly

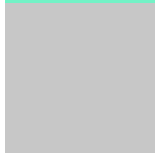
53.5964, 70.8872, 87.9486

Monochromacy



Original Color

49.0154, 71.2263, 64.5908



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

50.7577, 61.0492, 63.1413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0154, 71.2263, 64.5908 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(115, 242, 198)` looks like.

```
.text, #text, p{  
    color:rgb(115, 242, 198)  
}
```

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(115, 242, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 242, 198) }
```

Border

The CSS property to change the border of an element to XYZ 49.0154, 71.2263, 64.5908 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(115, 242, 198) }
```


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

```
.border{ border-color:rgb(115, 242, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 242, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 242, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 242, 198);  
box-shadow:4px 4px 4px 4px rgb(115, 242,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0154, 71.2263, 64.5908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 242, 198) }
```

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

```
.background{ background-color: rgb(115,  
242, 198) }
```

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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