

Converting Colors

XYZ(49.2470, 71.2316, 65.9583)

Have a look what the booklet for
XYZ(49.2470, 71.2316, 65.9583)
contains.

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Color

**XYZ(49.2477, 71.3192,
65.8139)**

Conversions

Conversions Part 1

Format	Color
Hex	73F2C8
RGB	115, 242, 200
RGB Percent	45%, 95%, 78%
CMY	0.5490, 0.0510, 0.2157
CMYK	0.52, 0.00, 0.17, 0.05
HSL	160°, 83%, 70%
HSV	160°, 52%, 95%
XYZ	49.2477, 71.3192, 65.8139
YIQ	199.2390, -62.2100, -39.9860

Conversions

Conversions Part 2

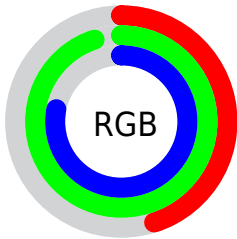
Format	Color
RYB	115, 191, 242
Decimal	7598792
CIELab	87.64, -45.13, 9.59
CIELCh	88, 46.138, 168.007
Yxy	71.3192, 0.2642, 0.3827
Android (android.graphics.Color)	4285788872 (0xFF73F2C8)
YUV	199.2390, 0.3752, -73.8776
Hunter-Lab	84.4507, -43.6959, 12.9098

Details

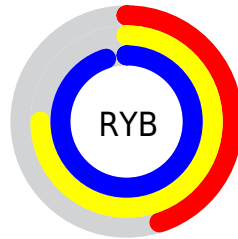
The XYZ color **49.2477, 71.3192, 65.8139** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **48.8369, 33.5749, 35.8077**, and the grayscale version is **54.4592, 57.2953, 62.3946**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **23.8039, 37.4262, 33.1635** is the 20% darker color. If you saturate the color by 10%, you get **45.5626, 69.5266, 60.8867**, and if you desaturate by 10%, it is **53.8209, 73.5676, 71.0414**.

Distribution



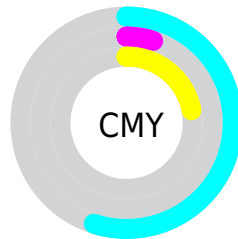
- Red (45%)
- Green (95%)
- Blue (78%)



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



- Cyan (52%)
- Magenta (0%)
- Yellow (17%)
- Black (5%)



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2477, 71.3192, 65.8139 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 49.2477, 71.3192, 65.8139 by changing the saturation by 10% instead.


 49.2477, 71.3192,
65.8139


 49.2477, 71.3192,
65.8139


374.2174,
465.1685, 464.0971


 35.0314, 52.6027,
47.6658


 88.2577, 121.0881,
114.8436

 23.8537, 37.4857,
33.2042


 113.7822,
152.9094, 146.5624

 15.3492, 25.5838,
22.0105


 143.8066,
189.8676, 183.6418

 9.1528, 16.5125,
13.6662

178.6965,
232.3474, 226.5003

 4.8989, 9.8876,
7.7528

218.8172,
280.7329, 275.5566

 2.2222, 5.3245,
3.8517

264.5340,

 0.7544, 2.4389,

335.4087, 331.2291

1.5443

316.2123,
396.7591, 393.9364

■ 0.0000, 0.8458,
0.2506

■ 0.0000, 0.0000,
0.0000

■ 49.2477, 71.3192,
65.8139

■ 49.2477, 71.3192,
65.8139

■ 45.5626, 69.5266,
60.8867

■ 53.8209, 73.5676,
71.0414

■ 42.6921, 68.1465,
56.2478


■ 59.3365, 76.2944,
76.5710


■ 40.5603, 67.1417,
51.8914

■ 65.8516, 79.5305,
82.4104


■ 39.0733, 66.4639,
47.8089

■ 73.4166, 83.3020,
88.5658

 38.2720, 66.1142,
44.9112

 82.0787, 87.6331,
95.0429

 89.9404, 91.5455,
101.7563

 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.



53.3443, 71.3192, 43.9623



49.2477, 71.3192, 65.8139



49.7100, 71.3192, 97.7728

Triad

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



49.2477, 71.3192, 65.8139



74.4890, 71.3192, 150.0566



82.8321, 71.3192, 40.9788

Complementary

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



49.2477, 71.3192, 65.8139



48.8369, 33.5749, 35.8077

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.



89.7874, 71.3192, 60.5045



49.2477, 71.3192, 65.8139



84.6257, 71.3192, 125.2508

Square

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



49.2477, 71.3192, 65.8139



63.5154, 71.3192, 152.6047



90.4769, 71.3192, 90.8363



72.2455, 71.3192, 32.4254

Rectangle

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



49.2477, 71.3192, 65.8139



52.5478, 71.3192, 120.8939



90.4769, 71.3192, 90.8363



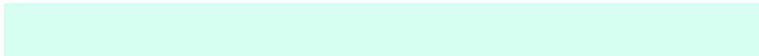
85.7192, 71.3192, 46.1925

Sweetspot

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



49.2497, 71.3220, 65.8155



79.5029, 92.2274, 97.2276



48.8187, 71.9467, 27.5350



16.6384, 19.5517, 20.5038



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.



49.2497, 71.3220, 65.8155



51.0572, 78.1763, 68.1943



48.9119, 61.6833, 93.3358



16.0121, 17.8349, 19.0869



20.6251, 35.5420, 24.4724



1.7616, 2.9751, 2.2770

Inverse Universe

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



48.8369, 33.5749, 35.8077



50.5782, 31.4495, 31.2067



48.5423, 37.7723, 20.9532



15.9884, 15.8451, 17.4950



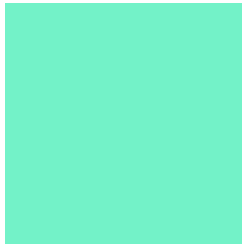
20.5063, 10.4749, 5.3167



1.7502, 0.8891, 0.6757

Previews

White Background



This preview shows how the XYZ color 49.2477, 71.3192, 65.8139 looks on a white background.

Color Contrast Check

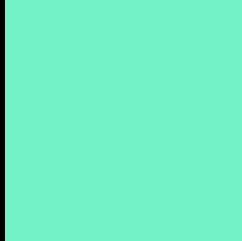
Large Text (above 18pt) WCAG AA × Fail

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 49.2477, 71.3192, 65.8139 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 49.2477, 71.3192, 65.8139

Background



This preview shows how black text looks on a background with the XYZ color 49.2477, 71.3192, 65.8139.



This preview shows how white text looks on a background with the XYZ color 49.2477, 71.3192,

65.8139.

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

49.2477, 71.3192, 65.8139

Protanopia

66.3541, 70.3887, 57.1028

Deuteranopia

71.8650, 70.3266, 68.8182



Tritanopia

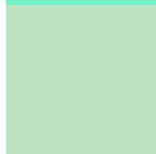
56.9578, 71.3977, 104.5451

Trichromacy



Original Color

49.2477, 71.3192, 65.8139



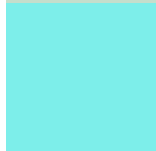
Protanomaly

57.7226, 69.4353, 60.2292



Deuteranomaly

60.0463, 68.4725, 67.1785



Tritanomaly

53.8833, 71.4496, 88.7931

Monochromacy



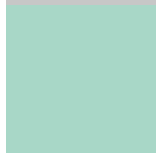
Original Color

49.2477, 71.3192, 65.8139



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 49.2477, 71.3192, 65.8139 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(115, 242, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 242, 200) }
```

Border

The CSS property to change the border of an element to XYZ 49.2477, 71.3192, 65.8139 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, 200) }
```


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

```
.border{ border-color:rgb(115, 242, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 242, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 242, 200);  
box-shadow:4px 4px 4px 4px rgb(115, 242,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2477, 71.3192, 65.8139 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, 200) }
```

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

```
.background{ background-color: rgb(115,  
242, 200) }
```

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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