

Converting Colors

XYZ(49.2019, 72.1014, 69.7209)

Have a look what the booklet for
XYZ(49.2019, 72.1014, 69.7209)
contains.

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Color

**XYZ(49.2002, 72.1007,
69.7162)**

Conversions

Conversions Part 1

Format	Color
Hex	68F4CE
RGB	104, 244, 206
RGB Percent	41%, 96%, 81%
CMY	0.5921, 0.0431, 0.1921
CMYK	0.57, 0.00, 0.16, 0.04
HSL	164°, 86%, 68%
HSV	164°, 57%, 96%
XYZ	49.2002, 72.1007, 69.7162
YIQ	197.8080, -71.2420, -41.4980

Conversions

Conversions Part 2

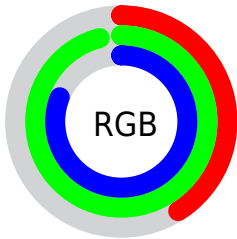
Format	Color
RYB	104, 185, 244
Decimal	6878414
CIELab	88.02, -46.89, 6.96
CIELCh	88, 47.399, 171.557
Yxy	72.1007, 0.2576, 0.3775
Android (android.graphics.Color)	4285068494 (0xFF68F4CE)
YUV	197.8080, 4.0387, -82.2696
Hunter-Lab	84.9121, -45.1689, 10.7591

Details

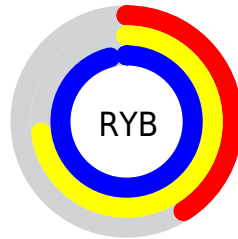
The XYZ color **49.2002, 72.1007, 69.7162** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **47.1435, 31.0886, 29.1099**, and the grayscale version is **53.5690, 56.3588, 61.3747**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **23.8638, 38.0273, 35.7880** is the 20% darker color. If you saturate the color by 10%, you get **45.9797, 70.5333, 65.4544**, and if you desaturate by 10%, it is **53.2778, 74.1096, 74.1983**.

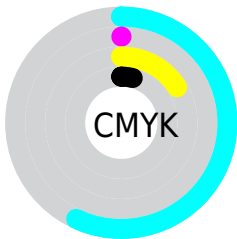
Distribution



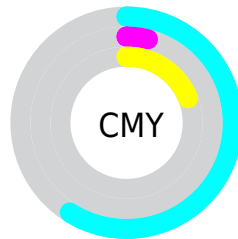
- Red (41%)
- Green (96%)
- Blue (81%)



- Red (41%)
- Yellow (73%)
- Blue (96%)



- Cyan (57%)
- Magenta (0%)
- Yellow (16%)
- Black (4%)



- Cyan (59%)
- Magenta (4%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2002, 72.1007, 69.7162 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 49.2002, 72.1007, 69.7162 by changing the saturation by 10% instead.


 49.2002, 72.1007,
69.7162


 49.2002, 72.1007,
69.7162


374.0338,
467.8920, 478.3151


 34.9935, 53.2409,
50.8198


 88.1877, 122.1997,
120.4813

 23.8244, 37.9951,
35.6895


 113.6991,
154.2077, 153.1870

 15.3274, 25.9789,
23.9067


 143.7096,
191.3673, 191.3330

 9.1373, 16.8079,
15.0529

178.5844,
234.0628, 235.3378

 4.8887, 10.0976,
8.7095

218.6888,
282.6786, 285.6198

 2.2162, 5.4637,
4.4579

264.3883,

 0.7512, 2.5218,

337.5992, 342.5977

1.8798

316.0482,
399.2088, 406.6899

■ 0.0000, 0.8875,
0.4798

■ 0.0000, 0.0000,
0.0000

■ 49.2002, 72.1007,
69.7162

■ 49.2002, 72.1007,
69.7162

■ 45.9797, 70.5333,
65.4544

■ 53.2778, 74.1096,
74.1983

■ 43.5370, 69.3612,
61.4024


■ 58.2711, 76.5849,
78.9008

■ 41.7881, 68.5429,
57.5555

■ 64.2403, 79.5592,
83.8301


■ 40.6203, 68.0205,
53.9062

■ 71.2387, 83.0600,
88.9910

 40.3648, 67.9090,
52.9789

 79.3157, 87.1128,
94.3875

 88.5174, 91.7412,
100.0240

 91.2206, 93.0154,
105.5455

 91.6419, 93.1839,
107.7640

Harmonies

Analogous

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



52.8769, 72.1007, 45.8156



49.2002, 72.1007, 69.7162



50.2375, 72.1007, 103.6696

Triad

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



49.2002, 72.1007, 69.7162



76.8298, 72.1007, 151.7949



82.9505, 72.1007, 39.1478

Complementary

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



49.2002, 72.1007, 69.7162



47.1435, 31.0886, 29.1099

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.



90.7968, 72.1007, 57.7833



49.2002, 72.1007, 69.7162



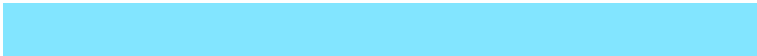
87.0013, 72.1007, 123.9142

Square

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



49.2002, 72.1007, 69.7162



65.3877, 72.1007, 157.5776



92.3554, 72.1007, 88.0039



71.7705, 72.1007, 31.6275

Rectangle

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



49.2002, 72.1007, 69.7162



53.5182, 72.1007, 127.4607



92.3554, 72.1007, 88.0039



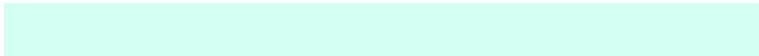
86.1141, 72.1007, 44.0295

Sweetspot

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



49.2022, 72.1035, 69.7179



79.0234, 91.9502, 98.5617



46.2951, 71.6032, 24.4787



16.5590, 19.5032, 20.8455



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.



49.2022, 72.1035, 69.7179



50.2804, 77.7011, 71.5326



46.0026, 57.4020, 94.2464



16.7935, 18.6765, 20.1970



22.0075, 36.9478, 29.1231



1.9771, 3.2645, 2.7855

Inverse Universe

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



47.1435, 31.0886, 29.1099



47.8580, 28.3866, 22.9709



48.3805, 37.3772, 17.7625



16.6839, 16.5564, 18.0820



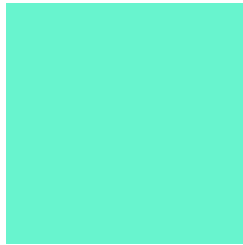
20.8734, 10.6928, 4.0416



1.8759, 0.9563, 0.5728

Previews

White Background



This preview shows how the XYZ color 49.2002, 72.1007, 69.7162 looks on a white background.

Color Contrast Check

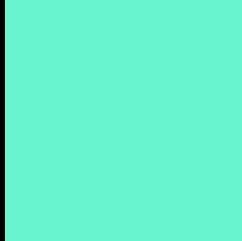
Large Text (above 18pt) WCAG AA × Fail

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 49.2002, 72.1007, 69.7162 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 49.2002, 72.1007, 69.7162

Background



This preview shows how black text looks on a background with the XYZ color 49.2002, 72.1007, 69.7162.

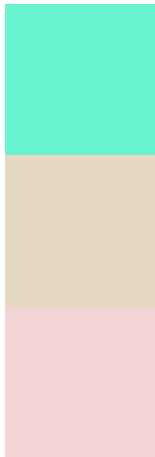


This preview shows how white text looks on a background with the XYZ color 49.2002, 72.1007,

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

49.2002, 72.1007, 69.7162

Protanopia

67.0101, 70.6511, 60.5573

Deuteranopia

72.5159, 70.9457, 72.8227



Tritanopia

56.6496, 71.6465, 105.4512

Trichromacy



Original Color

49.2002, 72.1007, 69.7162



Protanomaly

57.4293, 69.2057, 63.7573



Deuteranomaly

60.0267, 69.1709, 71.1603



Tritanomaly

53.6238, 71.6990, 91.1338

Monochromacy



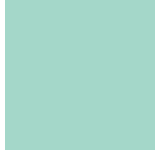
Original Color

49.2002, 72.1007, 69.7162



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.1529, 60.7104, 64.3333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2002, 72.1007, 69.7162 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(104, 244, 206)` looks like.

```
.text, #text, p{  
    color:rgb(104, 244, 206)  
}
```

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(104, 244, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 244, 206) }
```

Border

The CSS property to change the border of an element to XYZ 49.2002, 72.1007, 69.7162 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(104, 244, 206) }
```


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

```
.border{ border-color:rgb(104, 244, 206) }
```

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

Here you see how a box with a 4 pixel rgb(104, 244, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 244, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 244, 206);  
box-shadow:4px 4px 4px 4px rgb(104, 244,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2002, 72.1007, 69.7162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 244, 206) }
```

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

```
.background{ background-color: rgb(104,  
244, 206) }
```

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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