

Converting Colors

XYZ(48.6257, 66.7981, 70.3427)

Have a look what the booklet for
XYZ(48.6257, 66.7981, 70.3427)
contains.

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Color

**XYZ(48.8159, 67.0922,
70.6988)**

Conversions

Conversions Part 1

Format	Color
Hex	7BE9D1
RGB	123, 233, 209
RGB Percent	48%, 91%, 82%
CMY	0.5176, 0.0863, 0.1804
CMYK	0.47, 0.00, 0.10, 0.09
HSL	167°, 71%, 70%
HSV	167°, 47%, 91%
XYZ	48.8159, 67.0922, 70.6988
YIQ	197.3740, -57.8560, -30.7840

Conversions

Conversions Part 2

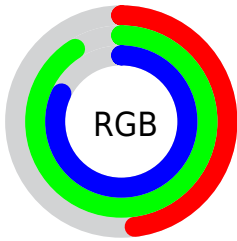
Format	Color
RYB	123, 185, 233
Decimal	8120785
CIELab	85.55, -37.30, 1.90
CIElCh	86, 37.350, 177.083
Yxy	67.0922, 0.2616, 0.3595
Android (android.graphics.Color)	4286310865 (0xFF7BE9D1)
YUV	197.3740, 5.7316, -65.2260
Hunter-Lab	81.9098, -36.9613, 6.1619

Details

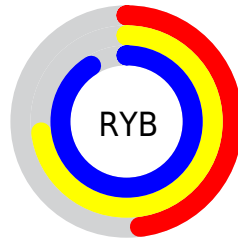
The XYZ color **48.8159, 67.0922, 70.6988** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.9559, 33.5979, 31.6692**, and the grayscale version is **53.2900, 56.0653, 61.0551**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **23.6884, 34.8676, 36.4920** is the 20% darker color. If you saturate the color by 10%, you get **45.2520, 65.3282, 67.2995**, and if you desaturate by 10%, it is **53.1968, 69.2784, 74.2442**.

Distribution



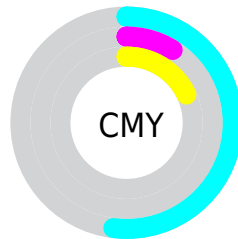
- Red (48%)
- Green (91%)
- Blue (82%)



- Red (48%)
- Yellow (73%)
- Blue (91%)



- Cyan (47%)
- Magenta (0%)
- Yellow (10%)
- Black (9%)





- Cyan (52%)
- Magenta (9%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8159, 67.0922, 70.6988 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 48.8159, 67.0922, 70.6988 by changing the saturation by 10% instead.


 48.8159, 67.0922,
70.6988


 48.8159, 67.0922,
70.6988


372.5461,
450.2729, 481.8551


 34.6874, 49.1596,
51.6161


 87.6203, 115.0525,
121.8952

 23.5876, 34.7461,
36.3190


 113.0270,
145.8490, 154.8460

 15.1510, 23.4673,
24.3891


 142.9237,
181.7022, 193.2566

 9.0125, 14.9390,
15.4076

177.6759,
222.9965, 237.5455

 4.8065, 8.7766,
8.9562

217.6488,
270.1163, 288.1312

 2.1678, 4.5957,
4.6162

263.2080,

 0.7257, 2.0121,

323.4461, 345.4324

1.9691

314.7186,
383.3701, 409.8675

■ 0.0000, 0.6145,
0.5362

■ 0.0000, 0.0000,
0.0000

■ 48.8159, 67.0922,
70.6988

■ 48.8159, 67.0922,
70.6988

■ 45.2520, 65.3282,
67.2995

■ 53.1968, 69.2784,
74.2442

■ 42.4421, 63.9489,
64.0379


■ 58.4409, 71.9056,
77.9343


■ 40.3231, 62.9235,
60.9115

■ 64.5972, 75.0007,
81.7739


■ 38.8187, 62.2127,
57.9159


■ 71.7099, 78.5864,
85.7660


 37.8293, 61.7652,
55.0454


 79.8198, 82.6838,
89.9133

 37.6003, 61.6642,
54.2645

 86.0350, 85.8021,
94.0815

 86.7991, 86.1077,
98.1049

 87.5845, 86.4219,
102.2407

 88.3913, 86.7446,
106.4895

Harmonies

Analogous

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



51.0237, 67.0922, 50.4777



48.8159, 67.0922, 70.6988



50.3111, 67.0922, 96.4714

Triad

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



48.8159, 67.0922, 70.6988



71.4938, 67.0922, 123.0834



73.0577, 67.0922, 40.4146

Complementary

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



48.8159, 67.0922, 70.6988



45.9559, 33.5979, 31.6692

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.



79.4355, 67.0922, 53.7672



48.8159, 67.0922, 70.6988



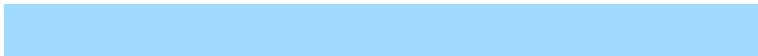
78.4777, 67.0922, 101.5166

Square

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



48.8159, 67.0922, 70.6988



62.9421, 67.0922, 130.3967



81.5010, 67.0922, 75.4568



64.6034, 67.0922, 35.6021

Rectangle

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



48.8159, 67.0922, 70.6988



53.2867, 67.0922, 112.9176



81.5010, 67.0922, 75.4568



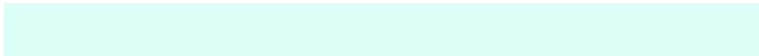
75.5432, 67.0922, 43.8843

Sweetspot

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



48.8178, 67.0949, 70.7004



81.8847, 93.3550, 101.8694



45.0498, 66.0689, 29.1183



17.1380, 19.7860, 21.5795



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.



48.8178, 67.0949, 70.7004



55.5046, 80.1557, 82.5594



44.3921, 53.1240, 85.0080



15.3688, 17.0623, 18.6248



21.3824, 35.0074, 31.0424



1.7138, 2.7628, 2.6208

Inverse Universe

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



45.9559, 33.5979, 31.6692



51.6132, 34.2705, 29.2367



48.4640, 41.3206, 24.1615



15.2000, 15.1079, 16.3385



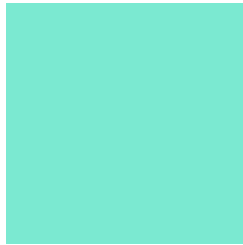
19.4424, 9.9797, 2.8652



1.5617, 0.7977, 0.4094

Previews

White Background



This preview shows how the XYZ color 48.8159, 67.0922, 70.6988 looks on a white background.

Color Contrast Check

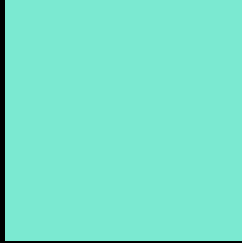
Large Text (above 18pt) WCAG AA × Fail

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 48.8159, 67.0922, 70.6988 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

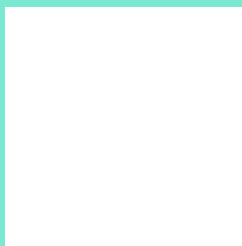
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8159, 67.0922, 70.6988

Background



This preview shows how black text looks on a background with the XYZ color 48.8159, 67.0922, 70.6988.

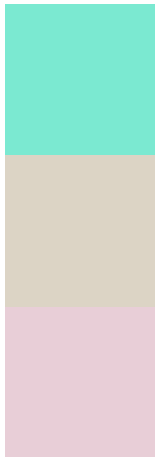


This preview shows how white text looks on a background with the XYZ color 48.8159, 67.0922,

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

48.8159, 67.0922, 70.6988

Protanopia

63.1367, 66.3338, 62.2994

Deuteranopia

67.6158, 66.2047, 73.5050



Tritanopia

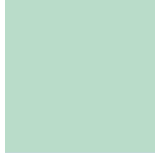
54.2095, 67.2090, 97.3043

Trichromacy



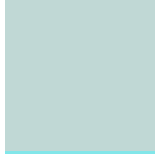
Original Color

48.8159, 67.0922, 70.6988



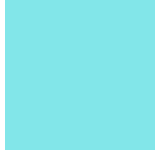
Protanomaly

56.1434, 65.7177, 64.9841



Deuteranomaly

58.3043, 65.1223, 72.4477



Tritanomaly

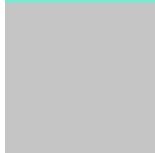
52.2107, 67.2226, 87.3143

Monochromacy



Original Color

48.8159, 67.0922, 70.6988



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.1668, 58.8563, 63.9747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8159, 67.0922, 70.6988 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(123, 233, 209)` looks like.

```
.text, #text, p{  
    color:rgb(123, 233, 209)  
}
```

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(123, 233, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 233, 209) }
```

Border

The CSS property to change the border of an element to XYZ 48.8159, 67.0922, 70.6988 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(123, 233, 209) }
```


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

```
.border{ border-color:rgb(123, 233, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 233, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 233, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 233, 209);  
box-shadow:4px 4px 4px 4px rgb(123, 233,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8159, 67.0922, 70.6988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 233, 209) }
```

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

```
.background{ background-color: rgb(123,  
233, 209) }
```

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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