

Converting Colors

XYZ(48.8349, 72.3871, 68.6629)

Have a look what the booklet for
XYZ(48.8349, 72.3871, 68.6629)
contains.

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Color

**XYZ(48.8070, 72.3738,
68.5239)**

Conversions

Conversions Part 1

Format	Color
Hex	64F5CC
RGB	100, 245, 204
RGB Percent	39%, 96%, 80%
CMY	0.6078, 0.0392, 0.2000
CMYK	0.59, 0.00, 0.17, 0.04
HSL	163°, 88%, 68%
HSV	163°, 59%, 96%
XYZ	48.8070, 72.3738, 68.5239
YIQ	196.9710, -73.2590, -43.4910

Conversions

Conversions Part 2

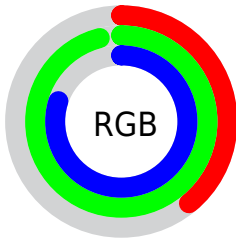
Format	Color
RYB	100, 184, 245
Decimal	6616524
CIELab	88.15, -48.52, 8.17
CIELCh	88, 49.207, 170.438
Yxy	72.3738, 0.2573, 0.3815
Android (android.graphics.Color)	4284806604 (0xFF64F5CC)
YUV	196.9710, 3.4653, -85.0436
Hunter-Lab	85.0728, -46.4704, 11.7944

Details

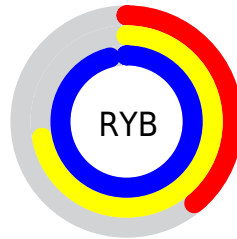
The XYZ color **48.8070, 72.3738, 68.5239** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **47.0235, 30.4517, 28.6012**, and the grayscale version is **53.0666, 55.8302, 60.7991**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **23.6263, 38.2396, 34.9899** is the 20% darker color. If you saturate the color by 10%, you get **45.6814, 70.8582, 64.1371**, and if you desaturate by 10%, it is **52.7881, 74.3298, 73.1469**.

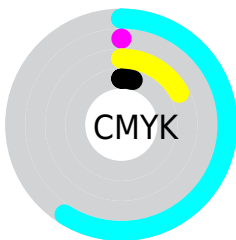
Distribution



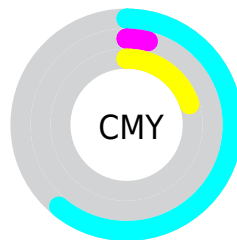
- Red (39%)
- Green (96%)
- Blue (80%)



- Red (39%)
- Yellow (72%)
- Blue (96%)



- Cyan (59%)
- Magenta (0%)
- Yellow (17%)
- Black (4%)





- Cyan (61%)
- Magenta (4%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8070, 72.3738, 68.5239 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 48.8070, 72.3738, 68.5239 by changing the saturation by 10% instead.


 48.8070, 72.3738,
68.5239


 48.8070, 72.3738,
68.5239


372.5116,
468.8416, 473.9984


 34.6803, 53.4641,
49.8547


 87.6072, 122.5878,
118.7626

 23.5821, 38.1734,
34.9276


 113.0114,
154.6609, 151.1692

 15.1469, 26.1173,
23.3240


 142.9055,
191.8906, 188.9920

 9.0096, 16.9114,
14.6254

177.6548,
234.6613, 232.6496

 4.8046, 10.1713,
8.4132

217.6247,
283.3573, 282.5605

 2.1666, 5.5127,
4.2689

263.1806,

 0.7251, 2.5511,

338.3631, 339.1432

1.7740

314.6878,
400.0631, 402.8163

■ 0.0000, 0.9022,
0.4107

■ 0.0000, 0.0000,
0.0000

■ 48.8070, 72.3738,
68.5239

■ 48.8070, 72.3738,
68.5239

■ 45.6814, 70.8582,
64.1371

■ 52.7881, 74.3298,
73.1469

■ 43.3293, 69.7353,
59.9754


■ 57.6854, 76.7519,
78.0067


■ 41.6626, 68.9616,
56.0337


■ 63.5607, 79.6739,
83.1100


■ 40.5439, 68.4663,
52.3032

■ 70.4689, 83.1239,
88.4618

 40.4628, 68.4310,
52.0068

 78.4604, 87.1279,
94.0667

 87.5826, 91.7102,
99.9293

 91.5435, 93.6273,
105.7573

 91.9437, 93.7874,
107.8646

Harmonies

Analogous

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



52.7822, 72.3738, 44.3239



48.8070, 72.3738, 68.5239



49.6951, 72.3738, 103.6589

Triad

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



48.8070, 72.3738, 68.5239



76.9944, 72.3738, 156.4308



84.2257, 72.3738, 38.6668

Complementary

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



48.8070, 72.3738, 68.5239



47.0235, 30.4517, 28.6012

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.



92.2375, 72.3738, 58.2762



48.8070, 72.3738, 68.5239



87.7434, 72.3738, 127.6847

Square

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



48.8070, 72.3738, 68.5239



65.0996, 72.3738, 161.5046



93.5935, 72.3738, 90.0613



72.6155, 72.3738, 30.6271

Rectangle

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



48.8070, 72.3738, 68.5239



52.9688, 72.3738, 128.7348



93.5935, 72.3738, 90.0613



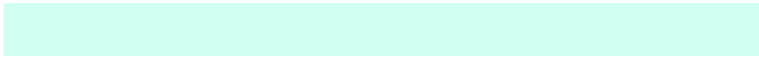
87.4821, 72.3738, 43.8086

Sweetspot

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



48.8090, 72.3767, 68.5256



78.1129, 91.5019, 97.5653



45.9536, 71.8979, 23.5134



16.2130, 19.3319, 20.5091



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.



48.8090, 72.3767, 68.5256



49.4557, 77.3241, 69.3219



45.6804, 57.1870, 95.0201



16.7852, 18.6732, 20.1531



21.8596, 36.8887, 28.3442



1.9651, 3.2597, 2.7222

Inverse Universe

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



47.0235, 30.4517, 28.6012



47.3965, 27.6353, 22.2871



48.1311, 36.6793, 16.6007



16.6917, 16.5596, 18.1233



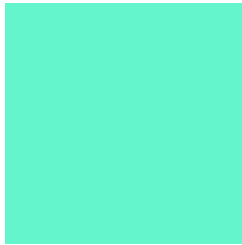
20.9205, 10.7116, 4.2896



1.8809, 0.9583, 0.5993

Previews

White Background



This preview shows how the XYZ color 48.8070, 72.3738, 68.5239 looks on a white background.

Color Contrast Check

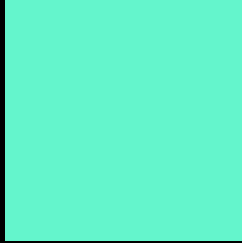
Large Text (above 18pt) WCAG AA × Fail

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 48.8070, 72.3738, 68.5239 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 48.8070, 72.3738, 68.5239

Background



This preview shows how black text looks on a background with the XYZ color 48.8070, 72.3738, 68.5239.



This preview shows how white text looks on a background with the XYZ color 48.8070, 72.3738,

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

48.8070, 72.3738, 68.5239

Protanopia

67.2589, 71.2037, 58.9140

Deuteranopia

72.6096, 71.0232, 71.5099



Tritanopia

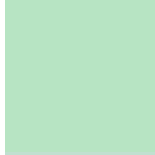
57.0866, 72.3004, 105.5543

Trichromacy



Original Color

48.8070, 72.3738, 68.5239



Protanomaly

57.1222, 69.4942, 62.0328



Deuteranomaly

59.7790, 69.0718, 69.8560



Tritanomaly

53.6365, 72.1582, 90.4579

Monochromacy



Original Color

48.8070, 72.3738, 68.5239



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.3722, 59.9446, 63.6119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8070, 72.3738, 68.5239 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(100, 245, 204)` looks like.

```
.text, #text, p{  
    color:rgb(100, 245, 204)  
}
```

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(100, 245, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 245, 204) }
```

Border

The CSS property to change the border of an element to XYZ 48.8070, 72.3738, 68.5239 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(100, 245, 204) }
```


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

```
.border{ border-color:rgb(100, 245, 204) }
```

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

Here you see how a box with a 4 pixel rgb(100, 245, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 245, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 245, 204);  
box-shadow:4px 4px 4px 4px rgb(100, 245,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8070, 72.3738, 68.5239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 245, 204) }
```

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

```
.background{ background-color: rgb(100,  
245, 204) }
```

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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