

Converting Colors

XYZ(37.5409, 49.0294, 67.8066)

Have a look what the booklet for
XYZ(37.5409, 49.0294, 67.8066)
contains.

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Color

**XYZ(37.5409, 49.0294,
67.8066)**

Conversions

Conversions Part 1

Format	Color
Hex	63C9D1
RGB	99, 201, 209
RGB Percent	39%, 79%, 82%
CMY	0.6117, 0.2118, 0.1804
CMYK	0.53, 0.04, 0.00, 0.18
HSL	184°, 54%, 60%
HSV	184°, 53%, 82%
XYZ	37.5409, 49.0294, 67.8066
YIQ	171.4140, -63.3600, -19.1360

Conversions

Conversions Part 2

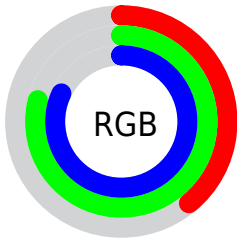
Format	Color
RYB	99, 152, 209
Decimal	6539729
CIELab	75.47, -27.41, -13.09
CIELCh	75, 30.376, 205.518
Yxy	49.0294, 0.2432, 0.3176
Android (android.graphics.Color)	4284729809 (0xFF63C9D1)
YUV	171.4140, 18.5299, -63.5071
Hunter-Lab	70.0210, -26.8362, -8.4003

Details

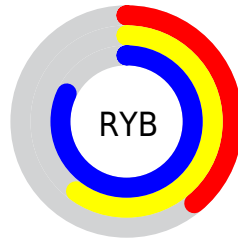
The XYZ color **37.5409, 49.0294, 67.8066** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.8054, 24.9726, 14.8443**, and the grayscale version is **38.8508, 40.8741, 44.5119**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **16.8855, 23.5100, 34.6583** is the 20% darker color. If you saturate the color by 10%, you get **35.1942, 47.2974, 67.5969**, and if you desaturate by 10%, it is **40.4849, 51.0767, 68.0475**.

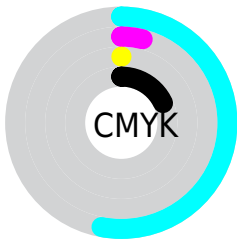
Distribution



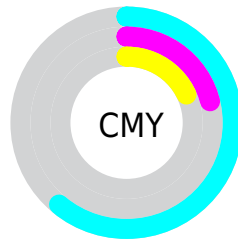
- Red (39%)
- Green (79%)
- Blue (82%)



- Red (39%)
- Yellow (60%)
- Blue (82%)



- Cyan (53%)
- Magenta (4%)
- Yellow (0%)
- Black (18%)



- Cyan (61%)
- Magenta (21%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5409, 49.0294, 67.8066 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 37.5409, 49.0294, 67.8066 by changing the saturation by 10% instead.

37.5409, 49.0294,
67.8066

37.5409, 49.0294,
67.8066

326.9614,
382.8580, 471.3899

25.8022, 34.6428,
49.2747

70.7124, 88.7351,
117.7270

16.8076, 23.3879,
34.4703

92.8758, 114.8230,
149.9526

10.1919, 14.8802,
22.9749

119.2448,
145.5802, 187.5799

5.5896, 8.7353,
14.3698

150.1848,
181.3909, 231.0274

2.6354, 4.5689,
8.2366

186.0611,
222.6397, 280.7135

0.9640, 1.9966,
4.1568

227.2391,

0.0000, 0.6055,

269.7109, 337.0570

1.7118

274.0841,
322.9889, 400.4763

■ 0.0000, 0.0000,
0.3688

■ 0.0000, 0.0000,
0.0000

■ 37.5409, 49.0294,
67.8066

■ 37.5409, 49.0294,
67.8066

■ 35.1942, 47.2974,
67.5969

■ 40.4849, 51.0767,
68.0475

■ 33.3937, 45.8510,
67.4126

■ 44.0633, 53.4552,
68.3180

■ 32.0873, 44.6646,
67.2524

■ 48.3155, 56.1863,
68.6210

■ 31.2106, 43.7048,
67.1134

■ 53.2764, 59.2880,
68.9582

■ 30.7570, 43.1000,
67.0205

■ 58.9784, 62.7770,
69.3311

■ 65.4520, 66.6690,
69.7412

■ 72.7259, 70.9790,
70.1897

■ 76.5835, 73.5330,
70.4794

■ 76.9680, 74.3019,
70.6075

Harmonies

Analogous

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



36.6666, 49.0294, 51.0102



37.5409, 49.0294, 67.8066



40.7651, 49.0294, 83.0629

Triad

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



37.5409, 49.0294, 67.8066



56.0553, 49.0294, 72.8223



47.4478, 49.0294, 28.1590

Complementary

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



37.5409, 49.0294, 67.8066



33.8054, 24.9726, 14.8443

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.



52.9688, 49.0294, 31.7807



37.5409, 49.0294, 67.8066



58.1849, 49.0294, 55.8317

Square

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



37.5409, 49.0294, 67.8066



51.3967, 49.0294, 86.3419



57.0127, 49.0294, 41.1680



42.1132, 49.0294, 30.1051

Rectangle

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



37.5409, 49.0294, 67.8066



43.9590, 49.0294, 89.1679



57.0127, 49.0294, 41.1680



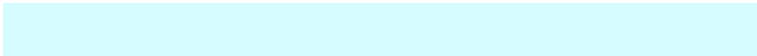
49.3468, 49.0294, 28.7413

Sweetspot

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



37.5424, 49.0313, 67.8078



80.6608, 91.1880, 107.9575



30.5662, 49.3022, 21.6335



16.9160, 19.3002, 23.0837



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.



37.5424, 49.0313, 67.8078



54.8481, 73.9103, 105.9831



27.0375, 28.0216, 64.3061



12.0817, 13.2538, 15.1651



18.9948, 26.6362, 41.3327



1.0846, 1.5343, 2.3186

Inverse Universe

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



41.3002, 26.6975, 58.2367



61.4997, 35.8181, 88.7187



41.3510, 40.0640, 17.3595



12.2722, 11.9936, 14.7090



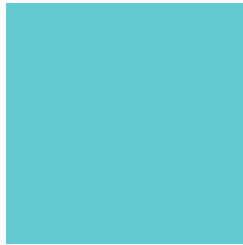
22.2184, 10.7602, 32.3861



1.2537, 0.6062, 1.8706

Previews

White Background



This preview shows how the XYZ color 37.5409, 49.0294, 67.8066 looks on a white background.

Color Contrast Check

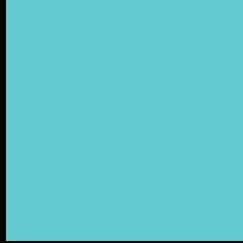
Large Text (above 18pt) WCAG AA × Fail

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 37.5409, 49.0294, 67.8066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

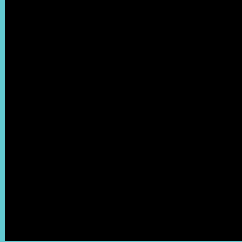
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5409, 49.0294, 67.8066

Background



This preview shows how black text looks on a background with the XYZ color 37.5409, 49.0294, 67.8066.

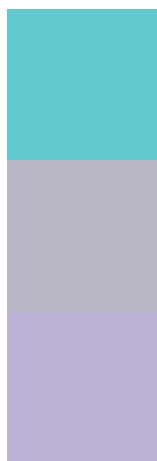


This preview shows how white text looks on a background with the XYZ color 37.5409, 49.0294,

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

37.5409, 49.0294, 67.8066

Protanopia

47.1007, 48.5485, 60.3144

Deuteranopia

49.3178, 48.2654, 69.6676



Tritanopia

38.5284, 49.0912, 72.4106

Trichromacy



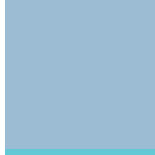
Original Color

37.5409, 49.0294, 67.8066



Protanomaly

42.2110, 47.8635, 62.8909



Deuteranomaly

43.5772, 47.7878, 69.2146



Tritanomaly

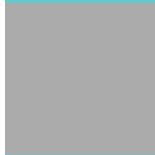
38.0313, 48.8794, 70.3810

Monochromacy



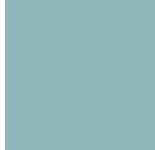
Original Color

37.5409, 49.0294, 67.8066



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

37.1620, 42.9784, 52.2360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5409, 49.0294, 67.8066 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(99, 201, 209)` looks like.

```
.text, #text, p{  
    color:rgb(99, 201, 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(99, 201, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 201, 209) }
```

Border

The CSS property to change the border of an element to XYZ 37.5409, 49.0294, 67.8066 is called "border". The border property can be set on classes, ids or directly on the HTML element.

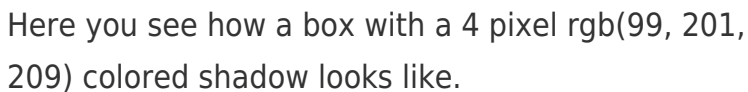
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 201, 209) }
```


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

```
.border{ border-color:rgb(99, 201, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(99, 201, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 201, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 201, 209);  
box-shadow:4px 4px 4px 4px rgb(99, 201,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5409, 49.0294, 67.8066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 201, 209) }
```

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

```
.background{ background-color: rgb(99, 201,  
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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