

Converting Colors

XYZ(48.8769, 57.6563, 68.7746)

Have a look what the booklet for
XYZ(48.8769, 57.6563, 68.7746)
contains.

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Color

**XYZ(49.0070, 57.7814,
68.8916)**

Conversions

Conversions Part 1

Format	Color
Hex	A1D1D1
RGB	161, 209, 209
RGB Percent	63%, 82%, 82%
CMY	0.3686, 0.1804, 0.1804
CMYK	0.23, 0.00, 0.00, 0.18
HSL	180°, 34%, 73%
HSV	180°, 23%, 82%
XYZ	49.0070, 57.7814, 68.8916
YIQ	194.6480, -28.6080, -10.1760

Conversions

Conversions Part 2

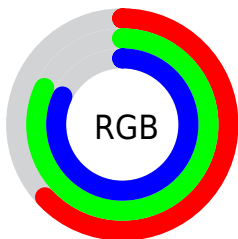
Format	Color
R_{YB}	161, 185, 209
Decimal	10605009
CIE _{Lab}	80.62, -15.52, -5.12
CIE _{LCh}	81, 16.338, 198.252
Yxy	57.7814, 0.2790, 0.3289
Android (android.graphics.Color)	4288795089 (0xFFA1D1D1)
YUV	194.6480, 7.0755, -29.5093
Hunter-Lab	76.0141, -17.9440, -0.5247

Details

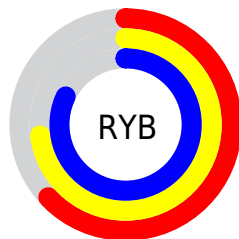
The XYZ color **49.0070, 57.7814, 68.8916** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.4744, 41.6198, 39.3572**, and the grayscale version is **51.6351, 54.3242, 59.1590**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **23.6563, 28.6659, 35.2966** is the 20% darker color. If you saturate the color by 10%, you get **45.1425, 55.7907, 68.7113**, and if you desaturate by 10%, it is **53.5788, 60.1397, 69.1075**.

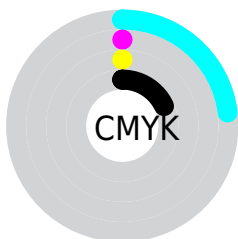
Distribution



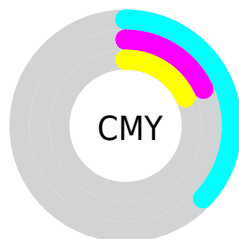
- Red (63%)
- Green (82%)
- Blue (82%)



- Red (63%)
- Yellow (73%)
- Blue (82%)



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)




- Cyan (37%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0070, 57.7814, 68.8916 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 49.0070, 57.7814, 68.8916 by changing the saturation by 10% instead.


 49.0070, 57.7814,
68.8916


 49.0070, 57.7814,
68.8916


373.2864,
416.3709, 475.3321

 34.8396, 41.6329,
50.1522


 87.9025, 101.6045,
119.2930

 23.7053, 28.8140,
35.1623


 113.3613,
130.0478, 151.7921

 15.2387, 18.9401,
23.5034


143.3146,
163.3583, 189.7148

 9.0745, 11.6270,
14.7569

178.1278,
201.9203, 233.4797

 4.8473, 6.4903,
8.5042

218.1662,
246.1181, 283.5054

 2.1918, 3.1454,
4.3269

263.7952,

 0.7384, 1.2081,

296.3362, 340.2103

1.8063

315.3802,
352.9590, 404.0130

■ 0.0000, 0.0683,
0.4321

■ 0.0000, 0.0000,
0.0000

■ 49.0070, 57.7814,
68.8916

■ 49.0070, 57.7814,
68.8916

■ 45.1425, 55.7907,
68.7113

■ 53.5788, 60.1397,
69.1075

■ 41.9454, 54.1425,
68.5609

■ 58.8856, 62.8754,
69.3566

■ 39.3794, 52.8197,
68.4401

■ 64.9594, 66.0066,
69.6416

■ 37.4027, 51.8007,
68.3469

■ 71.8290, 69.5480,
69.9638

■ 35.9686, 51.0614,
68.2790

■ 75.5510, 71.4667,
70.1387

■ 35.0231, 50.5740,
68.2341

■ 75.5511, 71.4668,
70.1394

■ 34.5014, 50.3051,
68.2089

■ 75.5512, 71.4668,
70.1401

■ 34.3092, 50.2060,
68.1994

■ 75.5514, 71.4669,
70.1409

■ 75.5515, 71.4669,
70.1416

Harmonies

Analogous

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



48.8313, 57.7814, 59.2199



49.0070, 57.7814, 68.8916



50.7271, 57.7814, 77.7601

Triad

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



49.0070, 57.7814, 68.8916



59.8843, 57.7814, 76.0623



56.2461, 57.7814, 46.4754

Complementary

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



49.0070, 57.7814, 68.8916



45.4744, 41.6198, 39.3572

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.



59.3367, 57.7814, 50.0893



49.0070, 57.7814, 68.8916



61.4938, 57.7814, 66.7589

Square

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



49.0070, 57.7814, 68.8916



56.9688, 57.7814, 82.1821



61.2894, 57.7814, 57.2928



52.9199, 57.7814, 46.9209

Rectangle

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



49.0070, 57.7814, 68.8916



52.5592, 57.7814, 81.7214



61.2894, 57.7814, 57.2928



57.3494, 57.7814, 47.2393

Sweetspot

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



49.0087, 57.7838, 68.8929



88.7850, 96.7703, 108.6060



44.0949, 55.8369, 42.1729



18.8940, 20.6563, 23.2410



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.



49.0087, 57.7838, 68.8929



73.4809, 88.8808, 107.8874



43.7250, 47.2159, 67.1333



12.1584, 13.4071, 15.1905



21.1531, 30.9542, 42.0479



1.1828, 1.7308, 2.3511

Inverse Universe

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



45.4744, 41.6198, 39.3572



66.9078, 58.8191, 52.9568



49.9116, 50.4946, 40.8351



11.8088, 11.8083, 12.2690



16.2124, 8.3578, 0.7590



0.9065, 0.4673, 0.0425

Previews

White Background



This preview shows how the XYZ color 49.0070, 57.7814, 68.8916 looks on a white background.

Color Contrast Check

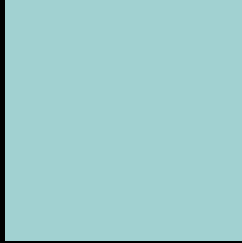
Large Text (above 18pt) WCAG AA × Fail

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 49.0070, 57.7814, 68.8916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

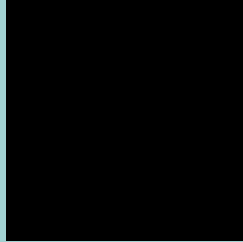
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0070, 57.7814, 68.8916

Background



This preview shows how black text looks on a background with the XYZ color 49.0070, 57.7814, 68.8916.



This preview shows how white text looks on a background with the XYZ color 49.0070, 57.7814,

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

49.0070, 57.7814, 68.8916

Protanopia

55.3307, 57.2565, 64.6353

Deuteranopia

58.6160, 57.4832, 70.2933



Tritanopia

50.9419, 57.8459, 78.2925

Trichromacy



Original Color

49.0070, 57.7814, 68.8916

Protanomaly

52.6335, 57.2136, 66.0269

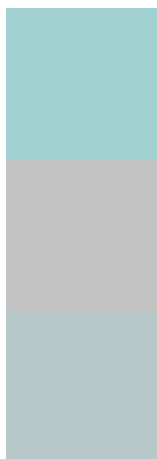
Deuteranomaly

54.4294, 57.0193, 69.7651

Tritanomaly

50.3150, 57.9602, 74.8652

Monochromacy



Original Color

49.0070, 57.7814, 68.8916

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.6080, 55.5460, 62.6977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0070, 57.7814, 68.8916 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(161, 209, 209)` looks like.

```
.text, #text, p{  
    color:rgb(161, 209, 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(161, 209, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 209, 209) }
```

Border

The CSS property to change the border of an element to XYZ 49.0070, 57.7814, 68.8916 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(161, 209, 209) }
```


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

```
.border{ border-color:rgb(161, 209, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 209, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 209, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 209, 209);  
box-shadow:4px 4px 4px 4px rgb(161, 209,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0070, 57.7814, 68.8916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 209, 209) }
```

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

```
.background{ background-color: rgb(161,  
209, 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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