

Converting Colors

XYZ(49.5467, 57.2017, 58.5908)

Have a look what the booklet for
XYZ(49.5467, 57.2017, 58.5908)
contains.

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Color

**XYZ(49.6014, 57.2230,
58.8829)**

Conversions

Conversions Part 1

Format	Color
Hex	B0CEC1
RGB	176, 206, 193
RGB Percent	69%, 81%, 76%
CMY	0.3098, 0.1921, 0.2431
CMYK	0.15, 0.00, 0.06, 0.19
HSL	154°, 23%, 75%
HSV	154°, 15%, 81%
XYZ	49.6014, 57.2230, 58.8829
YIQ	195.5480, -13.7070, -10.4030

Conversions

Conversions Part 2

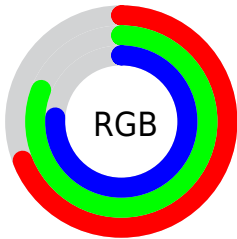
Format	Color
RYB	176, 195, 206
Decimal	11587265
CIELab	80.30, -12.56, 3.10
CIELCh	80, 12.932, 166.138
Yxy	57.2230, 0.2993, 0.3453
Android (android.graphics.Color)	4289777345 (0xFFB0CEC1)
YUV	195.5480, -1.2562, -17.1436
Hunter-Lab	75.6459, -15.3369, 6.8007

Details

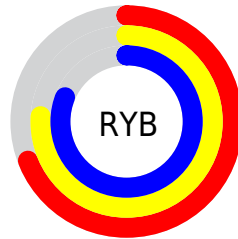
The XYZ color **49.6014, 57.2230, 58.8829** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.1663, 47.8480, 54.7382**, and the grayscale version is **52.2132, 54.9323, 59.8213**.

A 20% lighter version of the original color is **86.1376, 95.5154, 103.5189**, and **24.1302, 28.5609, 29.0519** is the 20% darker color. If you saturate the color by 10%, you get **44.3265, 54.6169, 53.5936**, and if you desaturate by 10%, it is **55.6465, 60.2224, 64.5246**.

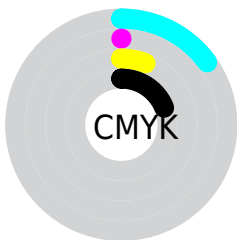
Distribution



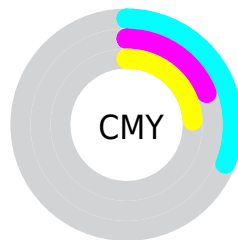
- Red (69%)
- Green (81%)
- Blue (76%)



- Red (69%)
- Yellow (76%)
- Blue (81%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (19%)



- Cyan (31%)
- Magenta (19%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6014, 57.2230, 58.8829 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 49.6014, 57.2230, 58.8829 by changing the saturation by 10% instead.

■ 49.6014, 57.2230,
58.8829

■ 49.6014, 57.2230,
58.8829

375.5829,
414.2844, 438.1576

■ 35.3133, 41.1843,
42.0995

■ 88.7794, 100.7905,
104.7349

■ 24.0719, 28.4631,
28.8530

114.3999,
129.0881, 134.6406

■ 15.5120, 18.6751,
18.7250

144.5287,
162.2408, 169.7574

■ 9.2682, 11.4357,
11.2970

179.5310,
200.6330, 210.5039

■ 4.9750, 6.3607,
6.1503

219.7723,
244.6490, 257.2986

■ 2.2672, 3.0656,
2.8664

265.6177,

■ 0.7778, 1.1661,

294.6733, 310.5601

1.0268

317.4328,
351.0903, 370.7069

■ 0.0000, 0.0337,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.6014, 57.2230,
58.8829

■ 49.6014, 57.2230,
58.8829

■ 44.3265, 54.6169,
53.5936

■ 55.6465, 60.2224,
64.5246

■ 39.7841, 52.3800,
48.6458

■ 62.4879, 63.6236,
70.5215

■ 35.9408, 50.4968,
44.0336

■ 70.1560, 67.4438,
76.8817

■ 32.7581, 48.9476,
39.7492

■ 77.4153, 71.0460,
83.5523

■ 30.1939, 47.7108,
35.7848

■ 78.6924, 71.5568,
90.2775

■ 28.2011, 46.7623,
32.1320

■ 80.0346, 72.0937,
97.3452

■ 26.7251, 46.0740,
28.7819

■ 81.3624, 72.6248,
104.3375

■ 25.6997, 45.6120,
25.7247

■ 25.2671, 45.4227,
24.1804

Harmonies

Analogous

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



50.8055, 57.2230, 52.7532



49.6014, 57.2230, 58.8829



49.6505, 57.2230, 66.4406

Triad

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



49.6014, 57.2230, 58.8829



55.8139, 57.2230, 77.3626



57.9876, 57.2230, 52.3882

Complementary

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



49.6014, 57.2230, 58.8829



50.1663, 47.8480, 54.7382

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.



59.4192, 57.2230, 58.3468



49.6014, 57.2230, 58.8829



58.1367, 57.2230, 72.9478

Square

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



49.6014, 57.2230, 58.8829



53.1799, 57.2230, 77.5356



59.4746, 57.2230, 65.8595



55.6157, 57.2230, 49.2141

Rectangle

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



49.6014, 57.2230, 58.8829



50.3860, 57.2230, 71.2916



59.4746, 57.2230, 65.8595



58.5981, 57.2230, 54.1093

Sweetspot

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



49.6030, 57.2254, 58.8842



90.6928, 97.8351, 105.0236



51.0202, 58.1627, 49.6125



19.2417, 20.8562, 22.3256



0.0000, 0.0000, 0.0000



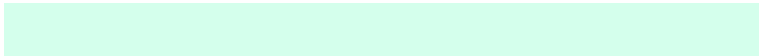
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.6030, 57.2254, 58.8842



77.9818, 91.5336, 93.0765



50.7589, 57.1126, 66.7440



11.3298, 12.6417, 13.2944



15.6074, 27.9883, 15.1495



0.8428, 1.4589, 0.9798

Inverse Universe

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



50.1663, 47.8480, 54.7382



79.0405, 73.9099, 85.2856



49.1129, 47.8999, 47.7321



11.4108, 11.2931, 12.6980



16.8378, 8.5457, 6.8647



0.9065, 0.4560, 0.5534

Previews

White Background



This preview shows how the XYZ color 49.6014, 57.2230, 58.8829 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 49.6014, 57.2230, 58.8829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

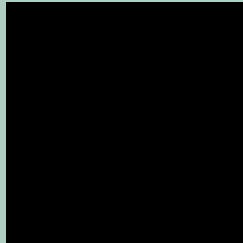
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6014, 57.2230, 58.8829

Background



This preview shows how black text looks on a background with the XYZ color 49.6014, 57.2230, 58.8829.



This preview shows how white text looks on a background with the XYZ color 49.6014, 57.2230,

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

49.6014, 57.2230, 58.8829

Protanopia

54.5562, 57.0414, 56.2788

Deuteranopia

58.0269, 56.7449, 60.1191



Tritanopia

52.5978, 57.0063, 74.5608

Trichromacy



Original Color

49.6014, 57.2230, 58.8829

Protanomaly

52.4290, 56.9603, 56.9463

Deuteranomaly

54.4452, 56.5691, 59.6791

Tritanomaly

51.4550, 56.8990, 68.5922

Monochromacy



Original Color

49.6014, 57.2230, 58.8829

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.4909, 56.0675, 59.7380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6014, 57.2230, 58.8829 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(176, 206, 193)` looks like.

```
.text, #text, p{  
    color:rgb(176, 206, 193)  
}
```

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(176, 206, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 206, 193) }
```

Border

The CSS property to change the border of an element to XYZ 49.6014, 57.2230, 58.8829 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(176, 206, 193) }
```


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

```
.border{ border-color:rgb(176, 206, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 206, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 206, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 206, 193);  
box-shadow:4px 4px 4px 4px rgb(176, 206,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6014, 57.2230, 58.8829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 206, 193) }
```

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

```
.background{ background-color: rgb(176,  
206, 193) }
```

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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