

Converting Colors

XYZ(48.6014, 55.2912, 68.1115)

Have a look what the booklet for
XYZ(48.6014, 55.2912, 68.1115)
contains.

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Color

**XYZ(48.8009, 55.5308,
68.4680)**

Conversions

Conversions Part 1

Format	Color
Hex	A7CBD1
RGB	167, 203, 209
RGB Percent	65%, 80%, 82%
CMY	0.3451, 0.2039, 0.1804
CMYK	0.20, 0.03, 0.00, 0.18
HSL	189°, 31%, 74%
HSV	189°, 20%, 82%
XYZ	48.8009, 55.5308, 68.4680
YIQ	192.9200, -23.3820, -5.7660

Conversions

Conversions Part 2

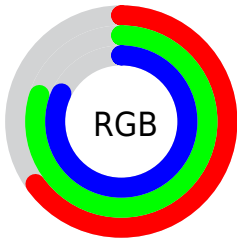
Format	Color
RYB	167, 186, 209
Decimal	10996689
CIELab	79.35, -10.60, -6.96
CIELCh	79, 12.678, 213.274
Yxy	55.5308, 0.2824, 0.3214
Android (android.graphics.Color)	4289186769 (0xFFA7CBD1)
YUV	192.9200, 7.9274, -22.7318
Hunter-Lab	74.5190, -13.5124, -2.3123

Details

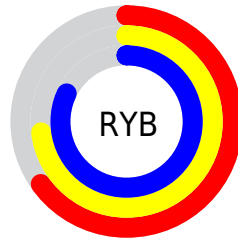
The XYZ color **48.8009, 55.5308, 68.4680** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.2136, 46.2325, 42.9430**, and the grayscale version is **50.6076, 53.2431, 57.9818**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **23.6033, 27.4389, 35.0626** is the 20% darker color. If you saturate the color by 10%, you get **44.0399, 52.0416, 68.0463**, and if you desaturate by 10%, it is **54.2923, 59.4196, 68.9301**.

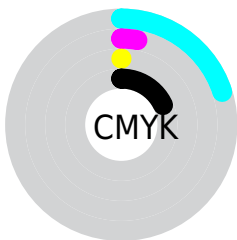
Distribution



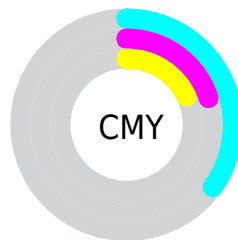
- Red (65%)
- Green (80%)
- Blue (82%)



- Red (65%)
- Yellow (73%)
- Blue (82%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)
- Black (18%)





- Cyan (35%)
- Magenta (20%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8009, 55.5308, 68.4680 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 48.8009, 55.5308, 68.4680 by changing the saturation by 10% instead.


 48.8009, 55.5308,
68.4680


 48.8009, 55.5308,
68.4680


372.4880,
407.9209, 473.7954

 34.6755, 39.8269,
49.8095


 87.5982, 98.3182,
118.6819

 23.5783, 27.4036,
34.8919


 113.0007,
126.1705, 151.0745

 15.1442, 17.8766,
23.2968


142.8930,
158.8410, 188.8821

 9.0076, 10.8614,
14.6054

177.6404,
196.7141, 232.5233

 4.8033, 5.9737,
8.3994

217.6082,
240.1743, 282.4167

 2.1659, 2.8291,
4.2601

263.1618,

 0.7247, 1.0432,

289.6059, 338.9809

1.7691

314.6666,
345.3933, 402.6342

■ 0.0000, 0.0000,
0.4075

■ 0.0000, 0.0000,
0.0000

■ 48.8009, 55.5308,
68.4680

■ 48.8009, 55.5308,
68.4680

■ 44.0399, 52.0416,
68.0463

■ 54.2923, 59.4196,
68.9301

■ 39.9700, 48.9273,
67.6597

■ 60.5413, 63.7177,
69.4303

■ 36.5559, 46.1709,
67.3076

■ 67.5794, 68.4430,
69.9715

■ 33.7569, 43.7515,
66.9882

■ 75.4351, 73.6103,
70.5548

■ 31.5278, 41.6455,
66.6992

■ 77.8011, 75.9680,
70.8852

■ 29.8168, 39.8262,
66.4382

■ 78.5816, 77.5292,
71.1454

■ 28.5629, 38.2620,
66.2023

■ 79.3762, 79.1184,
71.4103

■ 27.6604, 36.9068,
65.9883

■ 80.1849, 80.7357,
71.6798

■ 81.0077, 82.3814,
71.9541

Harmonies

Analogous

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



48.0523, 55.5308, 61.2660



48.8009, 55.5308, 68.4680



50.6139, 55.5308, 73.8388

Triad

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



48.8009, 55.5308, 68.4680



57.2645, 55.5308, 66.9758



52.5019, 55.5308, 47.5449

Complementary

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



48.8009, 55.5308, 68.4680



48.2136, 46.2325, 42.9430

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.



55.0078, 55.5308, 48.8097



48.8009, 55.5308, 68.4680



57.8088, 55.5308, 59.6683

Square

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



48.8009, 55.5308, 68.4680



55.5059, 55.5308, 72.9299



56.9705, 55.5308, 53.1087



50.1455, 55.5308, 49.5056

Rectangle

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



48.8009, 55.5308, 68.4680



52.2103, 55.5308, 75.4479



56.9705, 55.5308, 53.1087



53.3546, 55.5308, 47.6075

Sweetspot

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



48.8025, 55.5331, 68.4693



88.9504, 95.8268, 108.4160



46.2420, 56.8191, 47.8636



18.9027, 20.4168, 23.1945



0.0000, 0.0000, 0.0000



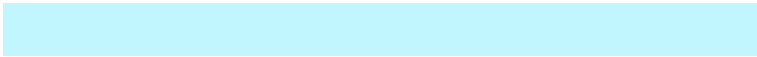
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8025, 55.5331, 68.4693



73.2821, 84.7333, 107.1005



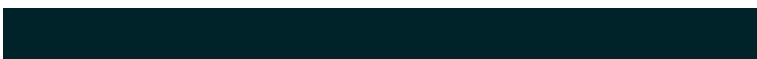
44.2560, 46.4400, 66.9537



12.0085, 13.1073, 15.1407



17.1097, 22.8661, 40.7043



0.9970, 1.3592, 2.2894

Inverse Universe

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



50.8940, 45.5058, 62.6036



77.1620, 66.4245, 96.1533



52.4734, 54.7521, 44.3629



12.2352, 11.9788, 14.5143



21.2669, 10.3796, 27.3756



1.2095, 0.5885, 1.6379

Previews

White Background



This preview shows how the XYZ color 48.8009, 55.5308, 68.4680 looks on a white background.

Color Contrast Check

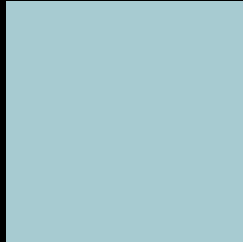
Large Text (above 18pt) WCAG AA × Fail

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 48.8009, 55.5308, 68.4680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

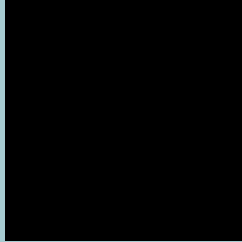
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8009, 55.5308, 68.4680

Background



This preview shows how black text looks on a background with the XYZ color 48.8009, 55.5308, 68.4680.



This preview shows how white text looks on a background with the XYZ color 48.8009, 55.5308,

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

48.8009, 55.5308, 68.4680

Protanopia

53.4401, 55.2602, 64.9764

Deuteranopia

56.5269, 55.4250, 70.0062



Tritanopia

50.1376, 55.7380, 74.4456

Trichromacy



Original Color

48.8009, 55.5308, 68.4680

Protanomaly

51.5844, 55.2835, 66.3445

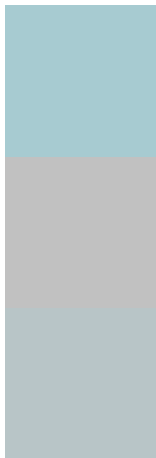
Deuteranomaly

53.2653, 55.0708, 69.4504

Tritanomaly

49.5347, 55.4722, 72.3864

Monochromacy



Original Color

48.8009, 55.5308, 68.4680

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.0422, 54.2464, 61.8659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8009, 55.5308, 68.4680 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(167, 203, 209)` looks like.

```
.text, #text, p{  
    color:rgb(167, 203, 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(167, 203, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 203, 209) }
```

Border

The CSS property to change the border of an element to XYZ 48.8009, 55.5308, 68.4680 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(167, 203, 209) }
```


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

```
.border{ border-color:rgb(167, 203, 209) }
```

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

Here you see how a box with a 4 pixel rgb(167, 203, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 203, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 203, 209);  
box-shadow:4px 4px 4px 4px rgb(167, 203,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8009, 55.5308, 68.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 203, 209) }
```

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

```
.background{ background-color: rgb(167,  
203, 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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