

Converting Colors

XYZ(49.7969, 56.5290, 59.8559)

Have a look what the booklet for
XYZ(49.7969, 56.5290, 59.8559)
contains.

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Color

**XYZ(49.8033, 56.5908,
59.9280)**

Conversions

Conversions Part 1

Format	Color
Hex	B2CCC3
RGB	178, 204, 195
RGB Percent	70%, 80%, 76%
CMY	0.3020, 0.2000, 0.2353
CMYK	0.13, 0.00, 0.04, 0.20
HSL	159°, 20%, 75%
HSV	159°, 13%, 80%
XYZ	49.8033, 56.5908, 59.9280
YIQ	195.2000, -12.6070, -8.3110

Conversions

Conversions Part 2

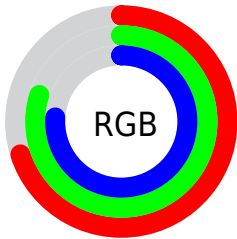
Format	Color
RYB	178, 194, 204
Decimal	11717827
CIELab	79.95, -10.48, 1.53
CIELCh	80, 10.586, 171.711
Yxy	56.5908, 0.2994, 0.3402
Android (android.graphics.Color)	4289907907 (0xFFB2CCC3)
YUV	195.2000, -0.0986, -15.0844
Hunter-Lab	75.2269, -13.4726, 5.4266

Details

The XYZ color **49.8033, 56.5908, 59.9280** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.7939, 48.2675, 53.7084**, and the grayscale version is **51.9982, 54.7062, 59.5750**.

A 20% lighter version of the original color is **87.2624, 96.0407, 106.0340**, and **24.1715, 28.0958, 29.3484** is the 20% darker color. If you saturate the color by 10%, you get **44.6866, 54.0447, 55.6186**, and if you desaturate by 10%, it is **55.6571, 59.5156, 64.4715**.

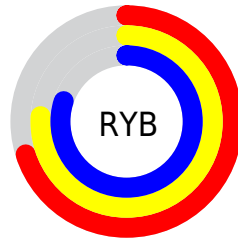
Distribution



Red (70%)

Green (80%)

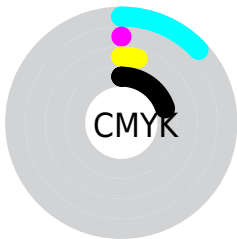
Blue (76%)



Red (70%)

Yellow (76%)

Blue (80%)

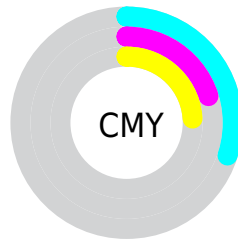


Cyan (13%)

Magenta (0%)

Yellow (4%)

Black (20%)



Cyan (30%)

Magenta (20%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8033, 56.5908, 59.9280 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 49.8033, 56.5908, 59.9280 by changing the saturation by 10% instead.

■ 49.8033, 56.5908,
59.9280

■ 49.8033, 56.5908,
59.9280

376.3609,
411.9142, 442.1296

■ 35.4743, 40.6768,
42.9357

■ 89.0769, 99.8679,
106.2676

■ 24.1967, 28.0666,
29.5036

114.7523,
127.9997, 136.4519

■ 15.6051, 18.3759,
19.2133

144.9404,
160.9730, 171.8706

■ 9.3342, 11.2202,
11.6461

180.0068,
199.1720, 212.9424

■ 5.0187, 6.2151,
6.3836

220.3166,
242.9813, 260.0856

■ 2.2931, 2.9763,
3.0072

266.2354,

■ 0.7911, 1.1194,

292.7852, 313.7188

1.0983

318.1284,
348.9680, 374.2606

■ 0.0000, 0.0000,
0.0000

■ 49.8033, 56.5908,
59.9280

■ 49.8033, 56.5908,
59.9280

■ 44.6866, 54.0447,
55.6186

■ 55.6571, 59.5156,
64.4715

■ 40.2711, 51.8542,
51.5353

■ 62.2724, 62.8271,
69.2494

■ 36.5249, 50.0046,
47.6752


■ 69.6785, 66.5416,
74.2667


■ 33.4118, 48.4771,
44.0336


■ 76.1875, 69.7892,
79.4471


■ 30.8920, 47.2514,
40.6060


■ 77.1615, 70.1788,
84.5759


 28.9211, 46.3045,
37.3871


 78.1756, 70.5845,
89.9165


 27.4479, 45.6102,
34.3718

 79.2305, 71.0064,
95.4714

 26.4111, 45.1370,
31.5538

 80.3265, 71.4448,
101.2429

 25.8533, 44.8916,
29.6278

 80.8839, 71.6678,
104.1780

Harmonies

Analogous

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



50.6107, 56.5908, 54.5749



49.8033, 56.5908, 59.9280



50.0410, 56.5908, 66.0979

Triad

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



49.8033, 56.5908, 59.9280



55.3303, 56.5908, 73.2740



56.3880, 56.5908, 52.7918

Complementary

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



49.8033, 56.5908, 59.9280



49.7939, 48.2675, 53.7084

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.



57.7172, 56.5908, 57.3448



49.8033, 56.5908, 59.9280



57.0953, 56.5908, 69.2419

Square

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



49.8033, 56.5908, 59.9280



53.1946, 56.5908, 74.0801



57.9795, 56.5908, 63.3390



54.3856, 56.5908, 50.6379

Rectangle

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



49.8033, 56.5908, 59.9280



50.7630, 56.5908, 69.8283



57.9795, 56.5908, 63.3390



56.9305, 56.5908, 54.0775

Sweetspot

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



49.8049, 56.5932, 59.9293



90.8330, 97.8911, 105.7619



50.1486, 56.9800, 50.4755



19.2772, 20.8704, 22.5126



0.0000, 0.0000, 0.0000



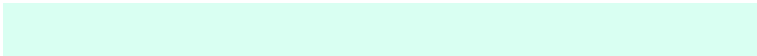
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8049, 56.5932, 59.9293



80.2915, 92.6296, 97.4605



49.9385, 55.1817, 65.1486



11.3718, 12.6585, 13.5156



16.3169, 28.2721, 18.8859



0.8767, 1.4725, 1.1581

Inverse Universe

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



49.7939, 48.2675, 53.7084



80.2704, 76.4697, 85.3873



49.6470, 49.4682, 49.0520



11.3700, 11.2767, 12.4830



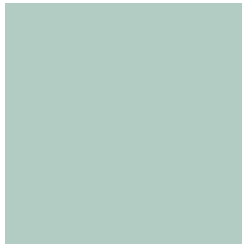
16.4217, 8.3793, 4.6736



0.8828, 0.4465, 0.4287

Previews

White Background



This preview shows how the XYZ color 49.8033, 56.5908, 59.9280 looks on a white background.

Color Contrast Check

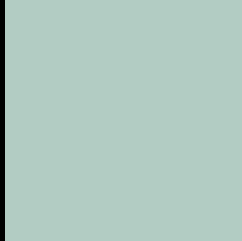
Large Text (above 18pt) WCAG AA × Fail

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 49.8033, 56.5908, 59.9280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

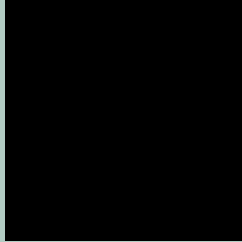
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8033, 56.5908, 59.9280

Background



This preview shows how black text looks on a background with the XYZ color 49.8033, 56.5908, 59.9280.



This preview shows how white text looks on a background with the XYZ color 49.8033, 56.5908,

59.9280.

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

49.8033, 56.5908, 59.9280

Protanopia

53.9988, 56.3906, 57.3286

Deuteranopia

57.6580, 56.5282, 61.2982



Tritanopia

52.7024, 56.7281, 73.8175

Trichromacy



Original Color

49.8033, 56.5908, 59.9280

Protanomaly

52.4168, 56.5837, 58.0282

Deuteranomaly

54.4466, 56.2076, 60.8028

Tritanomaly

51.6852, 56.6683, 68.5356

Monochromacy



Original Color

49.8033, 56.5908, 59.9280

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.0307, 55.1471, 59.5846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8033, 56.5908, 59.9280 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(178, 204, 195)` looks like.

```
.text, #text, p{  
    color:rgb(178, 204, 195)  
}
```

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(178, 204, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 204, 195) }
```

Border

The CSS property to change the border of an element to XYZ 49.8033, 56.5908, 59.9280 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(178, 204, 195) }
```


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

```
.border{ border-color:rgb(178, 204, 195) }
```

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

Here you see how a box with a 4 pixel rgb(178, 204, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 204, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 204, 195);  
box-shadow:4px 4px 4px 4px rgb(178, 204,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8033, 56.5908, 59.9280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 204, 195) }
```

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

```
.background{ background-color: rgb(178,  
204, 195) }
```

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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