

Converting Colors

XYZ(52.3122, 56.9063, 63.7647)

Have a look what the booklet for
XYZ(52.3122, 56.9063, 63.7647)
contains.

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Color

**XYZ(52.1683, 56.6817,
63.4494)**

Conversions

Conversions Part 1

Format	Color
Hex	BCC9C9
RGB	188, 201, 201
RGB Percent	74%, 79%, 79%
CMY	0.2627, 0.2117, 0.2118
CMYK	0.06, 0.00, 0.00, 0.21
HSL	180°, 11%, 76%
HSV	180°, 6%, 79%
XYZ	52.1683, 56.6817, 63.4494
YIQ	197.1130, -7.7480, -2.7560

Conversions

Conversions Part 2

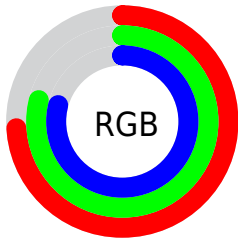
Format	Color
R _Y B	188, 195, 201
Decimal	12372425
CIE Lab	80.00, -4.41, -1.53
CIE LCh	80, 4.674, 199.169
Yxy	56.6817, 0.3028, 0.3290
Android (android.graphics.Color)	4290562505 (0xFFBCC9C9)
YUV	197.1130, 1.9163, -7.9921
Hunter-Lab	75.2872, -8.0659, 2.7336

Details

The XYZ color **52.1683, 56.6817, 63.4494** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.1498, 52.0163, 54.9240**, and the grayscale version is **53.1326, 55.8997, 60.8747**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **25.6919, 28.1249, 31.6783** is the 20% darker color. If you saturate the color by 10%, you get **47.5573, 54.3063, 63.2317**, and if you desaturate by 10%, it is **57.4722, 59.4175, 63.7018**.

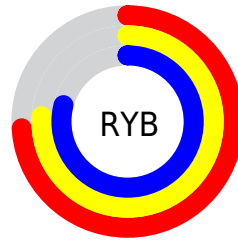
Distribution



Red (74%)

Green (79%)

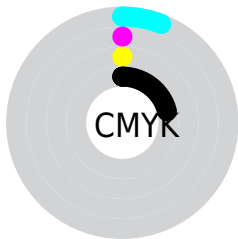
Blue (79%)



Red (74%)

Yellow (76%)

Blue (79%)

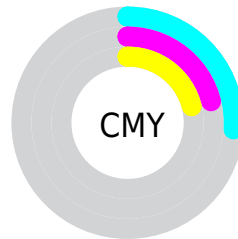


Cyan (6%)

Magenta (0%)

Yellow (0%)

Black (21%)



Cyan (26%)

Magenta (21%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1683, 56.6817, 63.4494 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 52.1683, 56.6817, 63.4494 by changing the saturation by 10% instead.

■ 52.1683, 56.6817,
63.4494

■ 52.1683, 56.6817,
63.4494

385.3993,
412.2555, 455.3514

■ 37.3641, 40.7497,
45.7615

■ 92.5522, 100.0006,
111.4094

■ 25.6645, 28.1236,
31.7104

118.8625,
128.1563, 142.5187

■ 16.7041, 18.4188,
20.8774

149.7389,
161.1554, 178.9388

■ 10.1178, 11.2511,
12.8440

185.5467,
199.3823, 221.0883

■ 5.5400, 6.2360,
7.1918

226.6513,
243.2214, 269.3858

■ 2.6054, 2.9891,
3.5021

273.4180,

■ 0.9487, 1.1260,

293.0570, 324.2498

1.3564

326.2122,
349.2736, 386.0988

■ 0.0000, 0.0000,
0.1073

■ 0.0000, 0.0000,
0.0000

■ 52.1683, 56.6817,
63.4494

■ 52.1683, 56.6817,
63.4494

■ 47.5573, 54.3063,
63.2317

■ 57.4722, 59.4175,
63.7018

■ 43.6060, 52.2694,
63.0438

■ 63.4909, 62.5201,
63.9866

■ 40.2858, 50.5578,
62.8853

■ 70.2512, 66.0051,
64.3060

■ 37.5639, 49.1547,
62.7549

■ 72.6728, 67.2535,
64.4224

■ 35.4048, 48.0417,
62.6508

■ 72.6734, 67.2537,
64.4254

■ 33.7692, 47.1986,
62.5712

■ 72.6740, 67.2539,
64.4285

■ 32.6125, 46.6023,
62.5140

■ 72.6746, 67.2542,
64.4316

■ 31.8831, 46.2264,
62.4769

■ 72.6752, 67.2544,
64.4347

■ 31.5141, 46.0362,
62.4565

■ 72.6757, 67.2546,
64.4378

Harmonies

Analogous

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



52.1011, 56.6817, 60.7395



52.1683, 56.6817, 63.4494



52.6895, 56.6817, 65.7577

Triad

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



52.1683, 56.6817, 63.4494



55.2674, 56.6817, 65.1985



54.2180, 56.6817, 56.7229

Complementary

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



52.1683, 56.6817, 63.4494



51.1498, 52.0163, 54.9240

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.



55.0767, 56.6817, 57.8448



52.1683, 56.6817, 63.4494



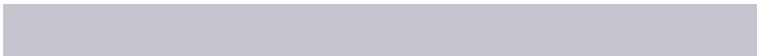
55.6872, 56.6817, 62.7044

Square

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



52.1683, 56.6817, 63.4494



54.4759, 56.6817, 66.7878



55.6170, 56.6817, 60.0159



53.2771, 56.6817, 56.9090

Rectangle

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



52.1683, 56.6817, 63.4494



53.2277, 56.6817, 66.7332



55.6170, 56.6817, 60.0159



54.5260, 56.6817, 56.9582

Sweetspot

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



52.1699, 56.6841, 63.4507



93.1983, 99.0454, 108.8123



50.7579, 56.1254, 55.7359



19.9677, 21.2098, 23.2912



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.



52.1699, 56.6841, 63.4507



87.9382, 96.3338, 108.5629



50.7350, 53.8136, 62.9742



10.9466, 12.0675, 13.6692



19.7579, 28.9155, 39.2653



0.9356, 1.3692, 1.8594

Inverse Universe

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



51.1498, 52.0163, 54.9240



85.7723, 86.4232, 90.4591



52.5215, 54.7602, 55.3795



10.6340, 10.6370, 11.0560



15.1455, 7.8077, 0.7099



0.7172, 0.3697, 0.0338

Previews

White Background



This preview shows how the XYZ color 52.1683, 56.6817, 63.4494 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 52.1683, 56.6817, 63.4494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

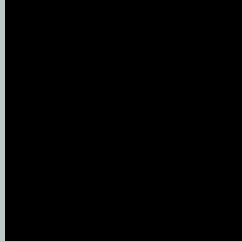
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

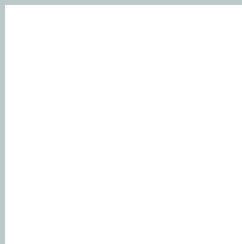
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.1683, 56.6817, 63.4494

Background



This preview shows how black text looks on a background with the XYZ color 52.1683, 56.6817, 63.4494.

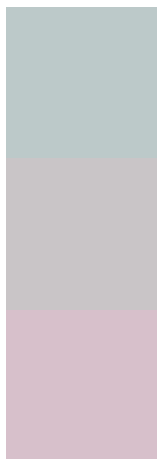


This preview shows how white text looks on a background with the XYZ color 52.1683, 56.6817,

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

52.1683, 56.6817, 63.4494

Protanopia

54.3624, 56.4735, 62.0681

Deuteranopia

57.6535, 56.4581, 64.3588



Tritanopia

53.9244, 56.7003, 72.3921

Trichromacy



Original Color

52.1683, 56.6817, 63.4494

Protanomaly

53.3844, 56.2941, 62.6958

Deuteranomaly

55.3526, 56.2736, 63.8216

Tritanomaly

53.2734, 56.7805, 69.1247

Monochromacy



Original Color

52.1683, 56.6817, 63.4494

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.6353, 55.9347, 61.4484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1683, 56.6817, 63.4494 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(188, 201, 201)` looks like.

```
.text, #text, p{  
    color:rgb(188, 201, 201)  
}
```

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(188, 201, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 201, 201) }
```

Border

The CSS property to change the border of an element to XYZ 52.1683, 56.6817, 63.4494 is called "border". The border property can be set on classes, ids or directly on the HTML element.

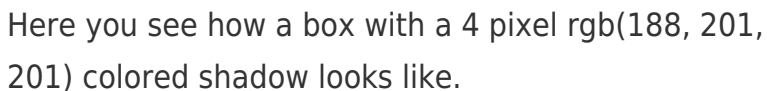
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 201, 201) }
```


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

```
.border{ border-color:rgb(188, 201, 201) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 201, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 201, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 201, 201); box-shadow:4px 4px 4px 4px rgb(188, 201, 201) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1683, 56.6817, 63.4494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 201, 201) }
```

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

```
.background{ background-color: rgb(188,  
201, 201) }
```

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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