

Converting Colors

XYZ(51.1367, 58.4649, 64.0698)

Have a look what the booklet for
XYZ(51.1367, 58.4649, 64.0698)
contains.

XYZ(51.2300, 58.6759, 63.8838)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.2300, 58.6759,
63.8838)**

Conversions

Conversions Part 1

Format	Color
Hex	B1D0C9
RGB	177, 208, 201
RGB Percent	69%, 82%, 79%
CMY	0.3059, 0.1843, 0.2118
CMYK	0.15, 0.00, 0.03, 0.18
HSL	166°, 25%, 75%
HSV	166°, 15%, 82%
XYZ	51.2300, 58.6759, 63.8838
YIQ	197.9330, -16.2290, -8.7490

Conversions

Conversions Part 2

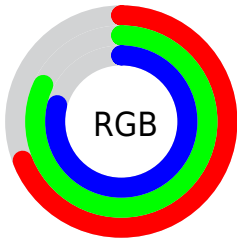
Format	Color
RYB	177, 194, 208
Decimal	11653321
CIELab	81.11, -11.68, 0.00
CIELCh	81, 11.681, 179.982
Yxy	58.6759, 0.2948, 0.3376
Android (android.graphics.Color)	4289843401 (0xFFB1D0C9)
YUV	197.9330, 1.5120, -18.3582
Hunter-Lab	76.6002, -14.6700, 4.1729

Details

The XYZ color **51.2300, 58.6759, 63.8838** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.3885, 48.3165, 52.0204**, and the grayscale version is **53.6354, 56.4286, 61.4507**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **25.1342, 29.5029, 31.9737** is the 20% darker color. If you saturate the color by 10%, you get **46.3046, 56.2013, 60.8130**, and if you desaturate by 10%, it is **56.8978, 61.5345, 67.0801**.

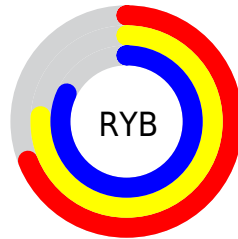
Distribution



Red (69%)

Green (82%)

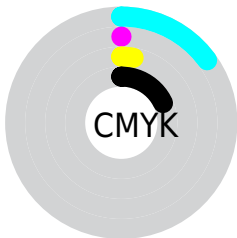
Blue (79%)



Red (69%)

Yellow (76%)

Blue (82%)

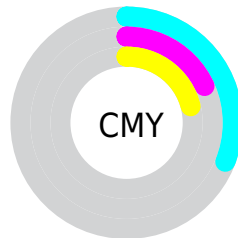


Cyan (15%)

Magenta (0%)

Yellow (3%)

Black (18%)



Cyan (31%)

Magenta (18%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2300, 58.6759, 63.8838 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 51.2300, 58.6759, 63.8838 by changing the saturation by 10% instead.

■ 51.2300, 58.6759,
63.8838

■ 51.2300, 58.6759,
63.8838

381.8297,
419.6998, 456.9658

■ 36.6135, 42.3523,
46.1110

■ 91.1756, 102.9065,
112.0414

■ 25.0807, 29.3772,
31.9841

117.2354,
131.5822, 143.2633

■ 16.2662, 19.3664,
21.0846

147.8404,
165.1441, 179.8053

■ 9.8048, 11.9353,
12.9940

183.3558,
203.9766, 222.0860

■ 5.3310, 6.6996,
7.2938

224.1471,
248.4640, 270.5238

■ 2.4795, 3.2750,
3.5653

270.5796,

■ 0.8849, 1.2769,

298.9907, 325.5374

1.3900

323.0187,
355.9412, 387.5452

■ 0.0000, 0.1232,
0.1339

■ 0.0000, 0.0000,
0.0000

■ 51.2300, 58.6759,
63.8838

■ 51.2300, 58.6759,
63.8838

■ 46.3046, 56.2013,
60.8130

■ 56.8978, 61.5345,
67.0801

■ 42.0840, 54.0864,
57.8614

■ 63.3336, 64.7855,
70.4001

■ 38.5344, 52.3155,
55.0279

■ 70.5681, 68.4462,
73.8474

■ 35.6176, 50.8690,
52.3100

■ 76.6881, 71.5303,
77.3330

■ 33.2913, 49.7250,
49.7048

■ 77.3186, 71.7825,
80.6529

■ 31.5079, 48.8591,
47.2093

■ 77.9667, 72.0418,
84.0657

■ 30.2125, 48.2428,
44.8201

■ 78.6325, 72.3081,
87.5721

■ 29.3377, 47.8415,
42.5331

■ 79.3163, 72.5816,
91.1727

■ 28.9917, 47.6878,
41.4040

■ 80.0181, 72.8623,
94.8684

Harmonies

Analogous

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



51.8241, 58.6759, 57.4296



51.2300, 58.6759, 63.8838



51.8226, 58.6759, 70.8055

Triad

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



51.2300, 58.6759, 63.8838



58.1354, 58.6759, 76.1838



58.1381, 58.6759, 52.9959

Complementary

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



51.2300, 58.6759, 63.8838



50.3885, 48.3165, 52.0204

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.



59.9122, 58.6759, 57.4365



51.2300, 58.6759, 63.8838



59.9107, 58.6759, 70.8134

Square

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



51.2300, 58.6759, 63.8838



55.7682, 58.6759, 78.2135



60.5699, 58.6759, 63.8924



55.7712, 58.6759, 51.4282

Rectangle

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



51.2300, 58.6759, 63.8838



52.8211, 58.6759, 74.6849



60.5699, 58.6759, 63.8924



58.8260, 58.6759, 54.1854

Sweetspot

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



51.2317, 58.6783, 63.8851



91.0277, 97.9690, 106.7870



50.3167, 58.5078, 50.2372



19.3266, 20.8901, 22.7725



0.0000, 0.0000, 0.0000



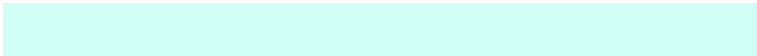
20.3446, 21.4041, 23.3091

Same Dimension

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



51.2317, 58.6783, 63.8851



78.5081, 91.6600, 99.6463



50.1111, 55.0885, 67.6693



12.0393, 13.3595, 14.5635



18.1064, 29.7355, 26.0044



1.0411, 1.6741, 1.6053

Inverse Universe

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



50.3885, 48.3165, 52.0204



76.9129, 72.0492, 77.1945



51.3550, 51.3957, 48.8097



11.9165, 11.8514, 12.8363



16.5625, 8.4978, 2.6024



0.9570, 0.4875, 0.3083

Previews

White Background



This preview shows how the XYZ color 51.2300, 58.6759, 63.8838 looks on a white background.

Color Contrast Check

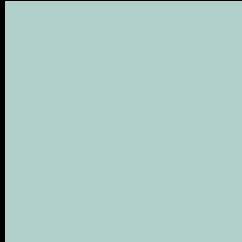
Large Text (above 18pt) WCAG AA × Fail

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 51.2300, 58.6759, 63.8838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

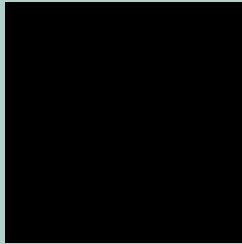
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

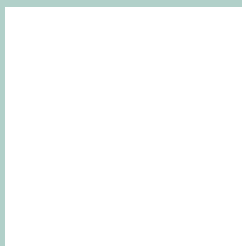
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.2300, 58.6759, 63.8838

Background



This preview shows how black text looks on a background with the XYZ color 51.2300, 58.6759, 63.8838.



This preview shows how white text looks on a background with the XYZ color 51.2300, 58.6759,

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

51.2300, 58.6759, 63.8838

Protanopia

56.1859, 58.4616, 61.1462

Deuteranopia

59.6276, 58.4499, 65.2660



Tritanopia

53.9385, 58.7069, 76.8953

Trichromacy



Original Color

51.2300, 58.6759, 63.8838

Protanomaly

54.0547, 58.3912, 61.8477

Deuteranomaly

56.3356, 58.4577, 64.8142

Tritanomaly

53.0313, 58.7010, 72.1537

Monochromacy



Original Color

51.2300, 58.6759, 63.8838

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.6645, 57.3117, 62.3194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2300, 58.6759, 63.8838 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(177, 208, 201)` looks like.

```
.text, #text, p{  
    color:rgb(177, 208, 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(177, 208, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 208, 201) }
```

Border

The CSS property to change the border of an element to XYZ 51.2300, 58.6759, 63.8838 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(177, 208, 201) }
```


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

```
.border{ border-color:rgb(177, 208, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 208, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 208, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 208, 201);  
box-shadow:4px 4px 4px 4px rgb(177, 208,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2300, 58.6759, 63.8838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 208, 201) }
```

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

```
.background{ background-color: rgb(177,  
208, 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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