

Converting Colors

XYZ(51.0088, 57.0208, 68.7051)

Have a look what the booklet for
XYZ(51.0088, 57.0208, 68.7051)
contains.

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Color

**XYZ(51.0060, 57.0193,
68.6391)**

Conversions

Conversions Part 1

Format	Color
Hex	B0CCD1
RGB	176, 204, 209
RGB Percent	69%, 80%, 82%
CMY	0.3098, 0.2000, 0.1804
CMYK	0.16, 0.02, 0.00, 0.18
HSL	189°, 26%, 75%
HSV	189°, 16%, 82%
XYZ	51.0060, 57.0193, 68.6391
YIQ	196.1980, -18.2930, -4.3810

Conversions

Conversions Part 2

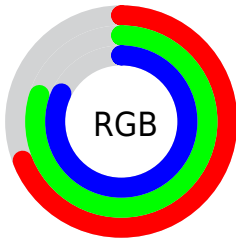
Format	Color
RYB	176, 191, 209
Decimal	11586769
CIELab	80.19, -8.30, -5.64
CIELCh	80, 10.034, 214.216
Yxy	57.0193, 0.2887, 0.3228
Android (android.graphics.Color)	4289776849 (0xFFB0CCD1)
YUV	196.1980, 6.3114, -17.7136
Hunter-Lab	75.5111, -11.5719, -1.0364

Details

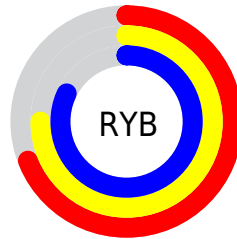
The XYZ color **51.0060, 57.0193, 68.6391** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.6553, 49.7376, 48.0059**, and the grayscale version is **52.5607, 55.2979, 60.2194**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **24.9911, 28.3902, 35.1730** is the 20% darker color. If you saturate the color by 10%, you get **45.8952, 53.2806, 68.1877**, and if you desaturate by 10%, it is **56.8630, 61.1683, 69.1322**.

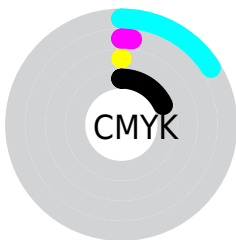
Distribution



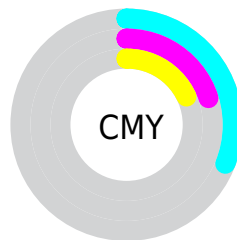
- Red (69%)
- Green (80%)
- Blue (82%)



- Red (69%)
- Yellow (75%)
- Blue (82%)



- Cyan (16%)
- Magenta (2%)
- Yellow (0%)
- Black (18%)



- Cyan (31%)
- Magenta (20%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0060, 57.0193, 68.6391 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 51.0060, 57.0193, 68.6391 by changing the saturation by 10% instead.

■ 51.0060, 57.0193,
68.6391

■ 51.0060, 57.0193,
68.6391

380.9744,
413.5216, 474.4165

■ 36.4344, 41.0207,
49.9479

■ 90.8466, 100.4933,
118.9288

■ 24.9416, 28.3353,
35.0011

116.8463,
128.7376, 151.3644

■ 16.1620, 18.5786,
23.3802

147.3862,
161.8326, 189.2185

■ 9.7305, 11.3662,
14.6665

182.8315,
200.1626, 232.9098

■ 5.2815, 6.3137,
8.4417

223.5476,
244.1122, 282.8567

■ 2.4498, 3.0367,
4.2870

269.8999,

■ 0.8700, 1.1509,

294.0656, 339.4777

1.7841

322.2537,
350.4073, 403.1915

■ 0.0000, 0.0211,
0.4174

■ 0.0000, 0.0000,
0.0000

■ 51.0060, 57.0193,
68.6391

■ 51.0060, 57.0193,
68.6391

■ 45.8952, 53.2806,
68.1877

■ 56.8630, 61.1683,
69.1322

■ 41.4923, 49.9280,
67.7727

■ 63.4923, 65.7368,
69.6646

■ 37.7632, 46.9451,
67.3935

■ 70.9250, 70.7424,
70.2390

■ 34.6687, 44.3117,
67.0483

■ 77.4751, 75.3161,
70.7766

■ 32.1659, 42.0055,
66.7350

■ 78.2971, 76.9601,
71.0506

■ 30.2061, 40.0012,
66.4515

■ 79.1348, 78.6355,
71.3298

■ 28.7328, 38.2696,
66.1949

■ 79.9883, 80.3425,
71.6143

■ 27.6760, 36.7745,
65.9620

■ 80.8577, 82.0813,
71.9041

■ 27.3007, 36.1873,
65.8684

■ 81.7430, 83.8520,
72.1992

Harmonies

Analogous

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



50.3649, 57.0193, 62.9164



51.0060, 57.0193, 68.6391



52.5015, 57.0193, 72.7943

Triad

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



51.0060, 57.0193, 68.6391



57.8160, 57.0193, 67.1163



53.9064, 57.0193, 51.5102

Complementary

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



51.0060, 57.0193, 68.6391



50.6553, 49.7376, 48.0059

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.



55.9248, 57.0193, 52.4800



51.0060, 57.0193, 68.6391



58.2148, 57.0193, 61.2596

Square

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



51.0060, 57.0193, 68.6391



56.4380, 57.0193, 71.8770



57.5145, 57.0193, 55.9607



52.0125, 57.0193, 53.2241

Rectangle

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



51.0060, 57.0193, 68.6391



53.7995, 57.0193, 73.9845



57.5145, 57.0193, 55.9607



54.5927, 57.0193, 51.5340

Sweetspot

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



51.0077, 57.0217, 68.6404



89.9010, 96.4358, 108.4834



49.0413, 58.1662, 52.3327



19.0930, 20.5369, 23.2077



0.0000, 0.0000, 0.0000



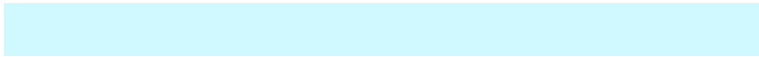
20.3446, 21.4041, 23.3091

Same Dimension

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



51.0077, 57.0217, 68.6404



77.1205, 87.3486, 107.4030



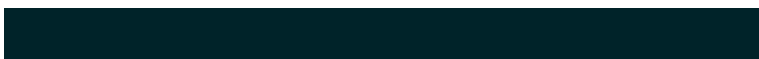
47.3014, 49.6091, 67.4050



11.9995, 13.0893, 15.1377



16.8905, 22.4276, 40.6312



0.9867, 1.3386, 2.2859

Inverse Universe

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



52.7202, 48.9668, 63.8024



80.3350, 72.4243, 98.2785



54.2005, 56.8281, 49.1876



12.2306, 11.9770, 14.4904



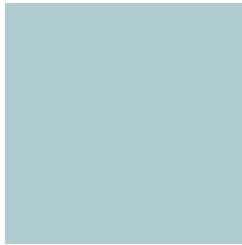
21.1563, 10.3354, 26.7929



1.2043, 0.5864, 1.6105

Previews

White Background



This preview shows how the XYZ color 51.0060, 57.0193, 68.6391 looks on a white background.

Color Contrast Check

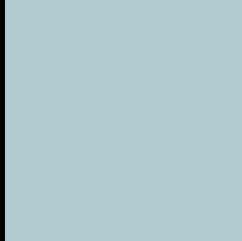
Large Text (above 18pt) WCAG AA × Fail

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 51.0060, 57.0193, 68.6391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

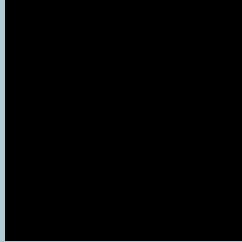
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0060, 57.0193, 68.6391

Background



This preview shows how black text looks on a background with the XYZ color 51.0060, 57.0193, 68.6391.



This preview shows how white text looks on a background with the XYZ color 51.0060, 57.0193,

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

51.0060, 57.0193, 68.6391

Protanopia

54.8051, 56.6196, 65.7978

Deuteranopia

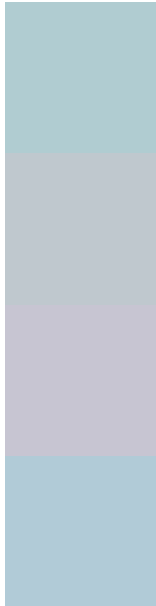
57.9792, 56.8401, 69.5434



Tritanopia

52.2668, 56.8205, 75.2305

Trichromacy



Original Color

51.0060, 57.0193, 68.6391

Protanomaly

53.2807, 56.8412, 66.5558

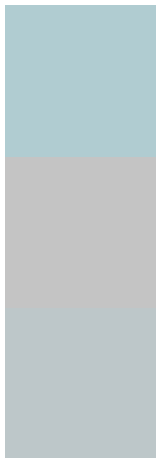
Deuteranomaly

55.1523, 56.7278, 69.0155

Tritanomaly

51.7531, 56.9653, 72.5577

Monochromacy



Original Color

51.0060, 57.0193, 68.6391

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.9523, 55.8827, 63.3066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0060, 57.0193, 68.6391 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, 204, 209)` looks like.

```
.text, #text, p{  
    color:rgb(176, 204, 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(176, 204, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 204, 209) }
```

Border

The CSS property to change the border of an element to XYZ 51.0060, 57.0193, 68.6391 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, 204, 209) }
```


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

```
.border{ border-color:rgb(176, 204, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 204, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 204, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 204, 209);  
box-shadow:4px 4px 4px 4px rgb(176, 204,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0060, 57.0193, 68.6391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 204, 209) }
```

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

```
.background{ background-color: rgb(176,  
204, 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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