

# Converting Colors

XYZ(51.3746, 55.8083, 57.1244)

Have a look what the booklet for  
XYZ(51.3746, 55.8083, 57.1244)  
contains.

<b>XYZ(51.3133, 55.6848, 57.3340)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(51.3133, 55.6848,  
57.3340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFC7BF
RGB	191, 199, 191
RGB Percent	75%, 78%, 75%
CMY	0.2510, 0.2196, 0.2510
CMYK	0.04, 0.00, 0.04, 0.22
HSL	120°, 7%, 76%
HSV	120°, 4%, 78%
XYZ	51.3133, 55.6848, 57.3340
YIQ	195.6960, -2.2000, -4.1840

# Conversions

## Conversions Part 2

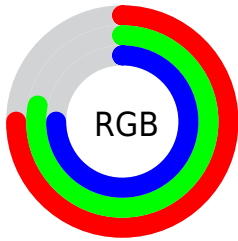
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 199, 199
Decimal	12568511
CIELab	79.43, -4.22, 3.04
CIELCh	79, 5.203, 144.266
Yxy	55.6848, 0.3123, 0.3389
Android (android.graphics.Color)	4290758591 (0xFFBFC7BF)
YUV	195.6960, -2.3151, -4.1184
Hunter-Lab	74.6222, -7.8451, 6.6817

# Details

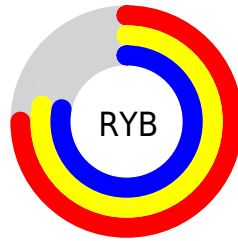
The XYZ color **51.3133, 55.6848, 57.3340** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.4949, 53.5287, 61.6009**, and the grayscale version is **52.3030, 55.0268, 59.9242**.

A 20% lighter version of the original color is **90.9063, 98.0096, 102.1222**, and **25.1941, 27.4890, 28.0228** is the 20% darker color. If you saturate the color by 10%, you get **44.6014, 52.4624, 46.3541**, and if you desaturate by 10%, it is **59.0059, 59.3816, 69.9154**.

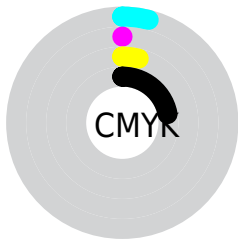
# Distribution



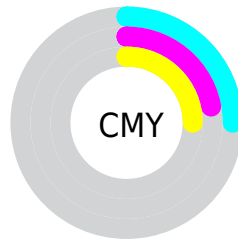
- Red (75%)
- Green (78%)
- Blue (75%)



- Red (75%)
- Yellow (78%)
- Blue (78%)



- Cyan (4%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)



- Cyan (25%)
- Magenta (22%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3133, 55.6848, 57.3340 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 51.3133, 55.6848, 57.3340 by changing the saturation by 10% instead.



■ 51.3133, 55.6848,  
57.3340

■ 51.3133, 55.6848,  
57.3340

382.1474,  
408.5026, 432.2284

■ 36.6801, 39.9503,  
40.8623

■ 91.2980, 98.5436,  
102.4575

■ 25.1324, 27.4998,  
27.8926

117.3801,  
126.4366, 131.9465

■ 16.3050, 17.9489,  
18.0064

148.0092,  
159.1512, 166.6116

■ 9.8324, 10.9133,  
10.7851

183.5507,  
197.0719, 206.8714

■ 5.3494, 6.0086,  
5.8102

224.3699,  
240.5830, 253.1444

■ 2.4906, 2.8503,  
2.6631

270.8322,

■ 0.8905, 1.0541,

290.0688, 305.8493

0.9248

323.3029,  
345.9139, 365.4044

■ 0.0000, 0.0000,  
0.0000

■ 51.3133, 55.6848,  
57.3340

■ 51.3133, 55.6848,  
57.3340

■ 44.6014, 52.4624,  
46.3541

■ 59.0059, 59.3816,  
69.9154

■ 38.8265, 49.6884,  
36.9081

■ 67.7116, 63.5634,  
84.1552

■ 33.9482, 47.3451,  
28.9289

■ 77.4669, 68.2494,  
100.1118

■ 29.9218, 45.4110,  
22.3428

■ 79.7145, 69.3290,  
103.7882

■ 26.6982, 43.8626,  
17.0701

■ 24.2238, 42.6740,  
13.0227

■ 22.4382, 41.8163,  
10.1021

■ 21.2719, 41.2560,  
8.1942

■ 20.6404, 40.9527,  
7.1614

# Harmonies

## Analogous

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



52.1057, 55.6848, 55.5378



51.3133, 55.6848, 57.3340



50.9536, 55.6848, 60.0584

# Triad

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



51.3133, 55.6848, 57.3340



52.7263, 55.6848, 66.5357



54.7787, 55.6848, 58.2983

# Complementary

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



51.3133, 55.6848, 57.3340



52.4949, 53.5287, 61.6009

# 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.



54.9501, 55.6848, 61.2078



51.3133, 55.6848, 57.3340



53.7563, 55.6848, 66.0270

# Square

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



51.3133, 55.6848, 57.3340



51.7625, 55.6848, 65.4206



54.5736, 55.6848, 64.0526



54.1083, 55.6848, 56.0816



# Rectangle

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



51.3133, 55.6848, 57.3340



51.0042, 55.6848, 62.0596



54.5736, 55.6848, 64.0526



54.8969, 55.6848, 59.2251

# Sweetspot

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



51.3149, 55.6872, 57.3352



93.7102, 99.3564, 106.7084



53.3830, 56.7534, 57.4320



20.0719, 21.2731, 22.8631



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

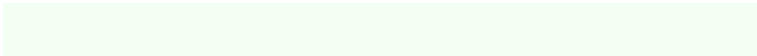


# Same Dimension

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



51.3149, 55.6872, 57.3352



88.5284, 96.8674, 98.2328



51.7614, 55.8658, 59.6866



11.0651, 12.1605, 12.2325



13.1327, 26.2655, 4.3776



0.6218, 1.2437, 0.2073



# Inverse Universe

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



52.4949, 53.5287, 61.6009



91.1166, 92.1332, 107.5888



52.0362, 53.3453, 59.1856



11.4255, 11.5013, 13.5353



21.7740, 10.4592, 35.6153

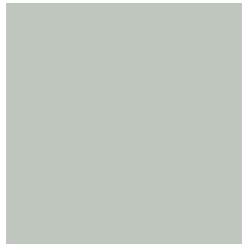


1.0310, 0.4952, 1.6864



# Previews

## White Background



This preview shows how the XYZ color 51.3133, 55.6848, 57.3340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

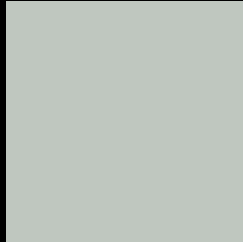
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3133, 55.6848, 57.3340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

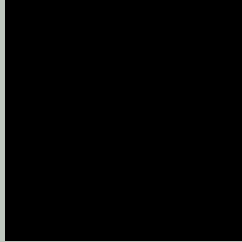
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

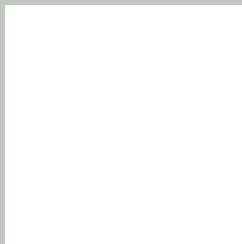
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.3133, 55.6848, 57.3340

## Background



This preview shows how black text looks on a background with the XYZ color 51.3133, 55.6848, 57.3340.



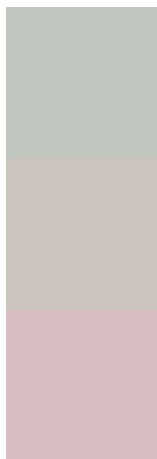
This preview shows how white text looks on a background with the XYZ color 51.3133, 55.6848,



# 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

51.3133, 55.6848, 57.3340

### Protanopia

53.2824, 55.7105, 56.0890

### Deuteranopia

56.6544, 55.4289, 58.1649



## Tritanopia

53.7459, 55.6523, 69.5373

# Trichromacy



## Original Color

51.3133, 55.6848, 57.3340

## Protanomaly

52.5492, 55.6560, 56.6882

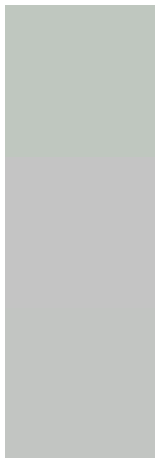
## Deuteranomaly

54.5968, 55.3556, 57.6763

## Tritanomaly

52.8577, 55.6296, 65.0784

# Monochromacy



## Original Color

51.3133, 55.6848, 57.3340

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

51.9520, 55.2969, 58.9741

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3133, 55.6848, 57.3340 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(191, 199, 191)` looks like.

```
.text, #text, p{  
    color:rgb(191, 199, 191)  
}
```

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(191, 199, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 199, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3133, 55.6848, 57.3340 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(191, 199, 191) }
```



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

```
.border{ border-color:rgb(191, 199, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 199, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 199, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 199, 191);  
box-shadow:4px 4px 4px 4px rgb(191, 199,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3133, 55.6848, 57.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 199, 191) }
```

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

```
.background{ background-color: rgb(191,  
199, 191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor