

# Converting Colors

XYZ(51.8230, 55.8015, 63.9171)

Have a look what the booklet for  
XYZ(51.8230, 55.8015, 63.9171)  
contains.

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# **Color**

**XYZ(51.8231, 55.8025,  
63.9167)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BCC7CA
RGB	188, 199, 202
RGB Percent	74%, 78%, 79%
CMY	0.2627, 0.2196, 0.2078
CMYK	0.07, 0.01, 0.00, 0.21
HSL	193°, 12%, 76%
HSV	193°, 7%, 79%
XYZ	51.8231, 55.8025, 63.9167
YIQ	196.0530, -7.5190, -1.3990

# Conversions

## Conversions Part 2

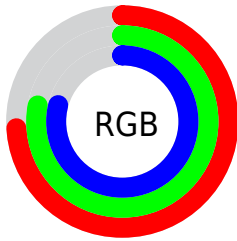
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	188, 194, 202
Decimal	12371914
CIE <sub>Lab</sub>	79.50, -3.17, -2.80
CIE <sub>LCh</sub>	80, 4.231, 221.504
Yxy	55.8025, 0.3021, 0.3253
Android (android.graphics.Color)	4290561994 (0xFFBCC7CA)
YUV	196.0530, 2.9319, -7.0625
Hunter-Lab	74.7011, -6.8943, 1.5603

# Details

The XYZ color **51.8231, 55.8025, 63.9167** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.0651, 53.4484, 55.1502**, and the grayscale version is **52.4887, 55.2222, 60.1369**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **25.4624, 27.5398, 31.9907** is the 20% darker color. If you saturate the color by 10%, you get **46.2106, 51.4547, 63.3742**, and if you desaturate by 10%, it is **58.1636, 60.5707, 64.5037**.

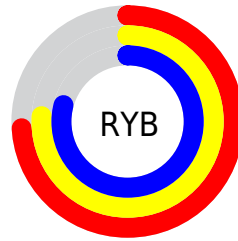
# Distribution



Red (74%)

Green (78%)

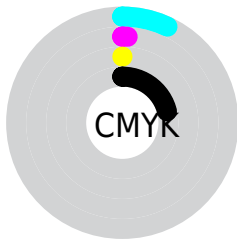
Blue (79%)



Red (74%)

Yellow (76%)

Blue (79%)

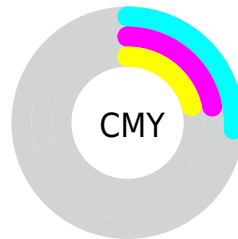


Cyan (7%)

Magenta (1%)

Yellow (0%)

Black (21%)



Cyan (26%)

Magenta (22%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8231, 55.8025, 63.9167 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 51.8231, 55.8025, 63.9167 by changing the saturation by 10% instead.



■ 51.8231, 55.8025,  
63.9167

■ 51.8231, 55.8025,  
63.9167

384.0885,  
408.9468, 457.0880

■ 37.0878, 40.0446,  
46.1375

■ 92.0461, 98.7158,  
112.0893

■ 25.4495, 27.5733,  
32.0049

118.2644,  
126.6399, 143.3197

■ 16.5427, 18.0043,  
21.1004

149.0412,  
159.3882, 179.8709

■ 10.0023, 10.9531,  
13.0054

184.7417,  
197.3452, 222.1615

■ 5.4628, 6.0353,  
7.3015

225.7314,  
240.8951, 270.6099

■ 2.5588, 2.8665,  
3.5701

272.3755,

■ 0.9250, 1.0625,

290.4224, 325.6348

1.3926

325.0394,  
346.3115, 387.6546

■ 0.0000, 0.0000,  
0.1359

■ 0.0000, 0.0000,  
0.0000

■ 51.8231, 55.8025,  
63.9167

■ 51.8231, 55.8025,  
63.9167

■ 46.2106, 51.4547,  
63.3742

■ 58.1636, 60.5707,  
64.5037

■ 41.2924, 47.5048,  
62.8710

■ 65.2545, 65.7665,  
65.1329

■ 37.0389, 43.9389,  
62.4069

■ 73.1235, 71.4061,  
65.8067

■ 33.4168, 40.7395,  
61.9802

■ 76.5337, 74.7900,  
66.2801

■ 30.3897, 37.8873,  
61.5892

■ 77.6581, 77.0389,  
66.6549

■ 27.9173, 35.3612,  
61.2320

■ 78.8120, 79.3466,  
67.0396

■ 25.9539, 33.1375,  
60.9062

■ 79.9954, 81.7135,  
67.4340

■ 24.4467, 31.1884,  
60.6095

■ 81.2087, 84.1400,  
67.8385

■ 23.3248, 29.4770,  
60.3383

■ 82.4520, 86.6266,  
68.2529

# Harmonies

## Analogous

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



51.4520, 55.8025, 61.6984



51.8231, 55.8025, 63.9167



52.5214, 55.8025, 65.3108

# Triad

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



51.8231, 55.8025, 63.9167



54.6049, 55.8025, 62.2576



52.7131, 55.8025, 56.2839

# Complementary

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



51.8231, 55.8025, 63.9167



52.0651, 53.4484, 55.1502

# 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.



53.5592, 55.8025, 56.4246



51.8231, 55.8025, 63.9167



54.6575, 55.8025, 59.8300

# Square

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



51.8231, 55.8025, 63.9167



54.1299, 55.8025, 64.3354



54.2730, 55.8025, 57.7079



51.9621, 55.8025, 57.3185

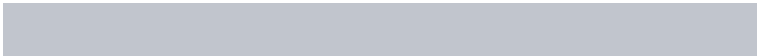


# Rectangle

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



51.8231, 55.8025, 63.9167



53.0815, 55.8025, 65.5634



54.2730, 55.8025, 57.7079



52.9957, 55.8025, 56.1961

# Sweetspot

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



51.8247, 55.8049, 63.9179



92.8512, 98.3510, 108.6976



51.2424, 56.6861, 57.4164



19.8970, 21.0685, 23.2679



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

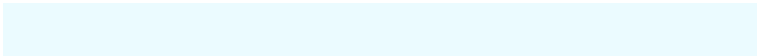


# Same Dimension

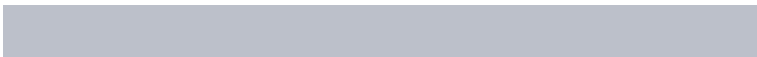
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.8247, 55.8049, 63.9179



86.5618, 93.5796, 108.1081



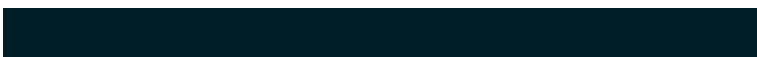
50.2941, 52.7436, 63.4077



11.3316, 12.3035, 14.3480



14.8787, 18.7814, 38.7973



0.8198, 1.0733, 2.0189



# Inverse Universe

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



52.6504, 52.6475, 61.4227



88.1888, 87.3898, 103.1839



53.5835, 56.4851, 55.6563



11.5807, 11.3610, 13.5926



19.7210, 9.6990, 22.0472

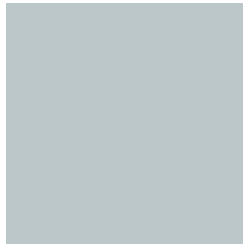


1.0437, 0.5109, 1.2761



# Previews

## White Background



This preview shows how the XYZ color 51.8231, 55.8025, 63.9167 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

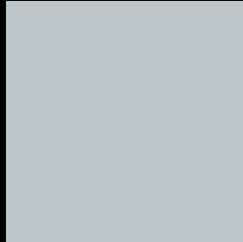
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8231, 55.8025, 63.9167 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

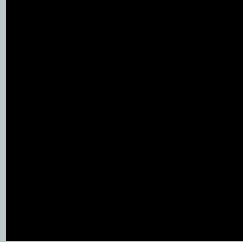
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

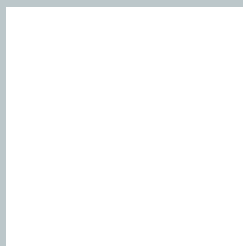
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.8231, 55.8025, 63.9167

## Background



This preview shows how black text looks on a background with the XYZ color 51.8231, 55.8025, 63.9167.



This preview shows how white text looks on a background with the XYZ color 51.8231, 55.8025,



# 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

51.8231, 55.8025, 63.9167

### Protanopia

53.7184, 55.7921, 62.5813

### Deuteranopia

56.9705, 55.7674, 64.8883



## Tritanopia

53.2117, 55.6838, 70.8943

# Trichromacy



## Original Color

51.8231, 55.8025, 63.9167

## Protanomaly

53.0145, 55.7517, 63.2253

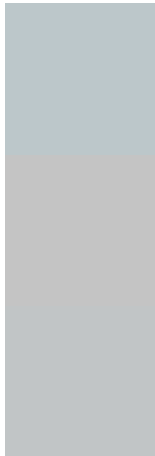
## Deuteranomaly

54.9731, 55.7327, 64.3600

## Tritanomaly

52.6890, 55.8104, 68.3171

# Monochromacy



## Original Color

51.8231, 55.8025, 63.9167

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

52.1516, 55.3472, 61.3605

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8231, 55.8025, 63.9167 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, 199, 202) looks like.

```
.text, #text, p{  
    color:rgb(188, 199, 202)  
}
```

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, 199, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 199, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8231, 55.8025, 63.9167 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, 199, 202) }
```



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

```
.border{ border-color:rgb(188, 199, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 199, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 199, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 199, 202);  
box-shadow:4px 4px 4px 4px rgb(188, 199,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8231, 55.8025, 63.9167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 199, 202) }
```

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

```
.background{ background-color: rgb(188,  
199, 202) }
```

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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