

# Converting Colors

XYZ(51.1290, 55.8206, 59.0751)

Have a look what the booklet for  
XYZ(51.1290, 55.8206, 59.0751)  
contains.

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# Color

**XYZ(51.1309, 55.8950,  
59.1329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCC8C2
RGB	188, 200, 194
RGB Percent	74%, 78%, 76%
CMY	0.2627, 0.2157, 0.2392
CMYK	0.06, 0.00, 0.03, 0.22
HSL	150°, 10%, 76%
HSV	150°, 6%, 78%
XYZ	51.1309, 55.8950, 59.1329
YIQ	195.7280, -5.2260, -4.4100

# Conversions

## Conversions Part 2

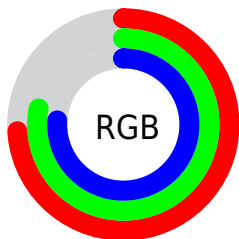
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 196, 200
Decimal	12372162
CIELab	79.55, -5.22, 1.57
CIElCh	80, 5.455, 163.234
Yxy	55.8950, 0.3077, 0.3364
Android (android.graphics.Color)	4290562242 (0xFFBCC8C2)
YUV	195.7280, -0.8519, -6.7775
Hunter-Lab	74.7630, -8.7578, 5.4393

# Details

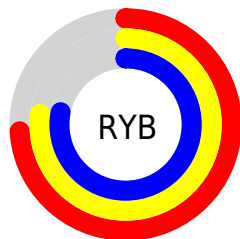
The XYZ color **51.1309, 55.8950, 59.1329** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.5423, 52.1422, 58.3894**, and the grayscale version is **52.3149, 55.0394, 59.9379**.

A 20% lighter version of the original color is **90.3235, 97.6552, 104.5313**, and **25.0042, 27.6021, 28.8208** is the 20% darker color. If you saturate the color by 10%, you get **45.4556, 53.0963, 53.1996**, and if you desaturate by 10%, it is **57.5678, 59.0807, 65.4989**.

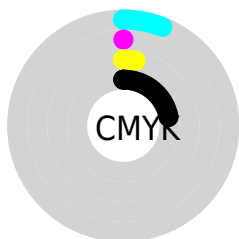
# Distribution



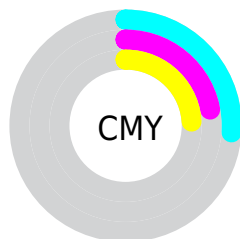
- Red (74%)
- Green (78%)
- Blue (76%)



- Red (74%)
- Yellow (77%)
- Blue (78%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (22%)



- Cyan (26%)
- Magenta (22%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1309, 55.8950, 59.1329 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 51.1309, 55.8950, 59.1329 by changing the saturation by 10% instead.



■ 51.1309, 55.8950,  
59.1329

■ 51.1309, 55.8950,  
59.1329

381.4514,  
409.2957, 439.1098

■ 36.5343, 40.1187,  
42.2994

■ 91.0301, 98.8510,  
105.1018

■ 25.0191, 27.6311,  
29.0085

117.0633,  
126.7996, 135.0743

■ 16.2201, 18.0478,  
18.8416

147.6395,  
159.5744, 170.2636

■ 9.7719, 10.9843,  
11.3802

183.1239,  
197.5598, 211.0881

■ 5.3091, 6.0563,  
6.2058

223.8820,  
241.1403, 257.9664

■ 2.4663, 2.8793,  
2.8998

270.2790,

■ 0.8783, 1.0691,

290.7001, 311.3171

1.0437

322.6804,  
346.6238, 371.5588

■ 0.0000, 0.0000,  
0.0000

■ 51.1309, 55.8950,  
59.1329

■ 51.1309, 55.8950,  
59.1329

■ 45.4556, 53.0963,  
53.1996

■ 57.5678, 59.0807,  
65.4989

■ 40.5078, 50.6625,  
47.6863

■ 64.7894, 62.6605,  
72.3028

■ 36.2577, 48.5800,  
42.5848

■ 72.8235, 66.6500,  
79.5543

■ 32.6716, 46.8316,  
37.8853

■ 76.7484, 68.5120,  
87.0301

■ 29.7129, 45.3987,  
33.5776

■ 78.2268, 69.1033,  
94.8150

■ 27.3412, 44.2605,  
29.6511

■ 79.7876, 69.7276,  
103.0341

■ 25.5112, 43.3939,  
26.0944

■ 79.9454, 69.7908,  
103.8651

■ 24.1703, 42.7721,  
22.8956

■ 23.2530, 42.3614,  
20.0417

# Harmonies

## Analogous

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



51.6937, 55.8950, 56.5611



51.1309, 55.8950, 59.1329



51.0981, 55.8950, 62.2546

# Triad

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



51.1309, 55.8950, 59.1329



53.6112, 55.8950, 66.9367



54.6793, 55.8950, 56.8124

# Complementary

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



51.1309, 55.8950, 59.1329



51.5423, 52.1422, 58.3894

# 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.



55.2079, 55.8950, 59.4866



51.1309, 55.8950, 59.1329



54.5856, 55.8950, 65.3717

# Square

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



51.1309, 55.8950, 59.1329



52.5199, 55.8950, 66.8340



55.1734, 55.8950, 62.6207



53.7378, 55.8950, 55.2533



# Rectangle

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



51.1309, 55.8950, 59.1329



51.3804, 55.8950, 64.2339



55.1734, 55.8950, 62.6207



54.9118, 55.8950, 57.6067

# Sweetspot

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



51.1325, 55.8974, 59.1341



92.7905, 98.8823, 106.6649



52.0329, 56.4379, 55.7288



19.8847, 21.1766, 22.8542



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.



51.1325, 55.8974, 59.1341



87.3809, 96.2087, 101.2121



51.7972, 56.1633, 62.6346



10.9549, 12.0933, 12.6959



14.6398, 26.8683, 12.3137



0.7298, 1.2868, 0.7756



# Inverse Universe

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



51.5423, 52.1422, 58.3894



88.2140, 88.5738, 99.6980



50.9030, 51.8865, 55.0230



11.0655, 11.0798, 12.4949



16.6538, 8.4111, 8.6527



0.8251, 0.4129, 0.6022



# Previews

## White Background



This preview shows how the XYZ color 51.1309, 55.8950, 59.1329 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

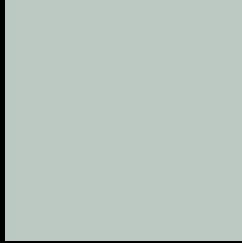
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.1309, 55.8950, 59.1329 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

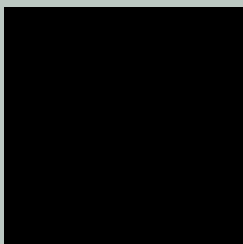
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

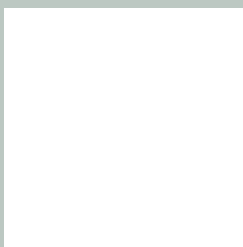
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.1309, 55.8950, 59.1329

## Background



This preview shows how black text looks on a background with the XYZ color 51.1309, 55.8950, 59.1329.



This preview shows how white text looks on a background with the XYZ color 51.1309, 55.8950,



# 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

51.1309, 55.8950, 59.1329

### Protanopia

53.6115, 55.8422, 57.8222

### Deuteranopia

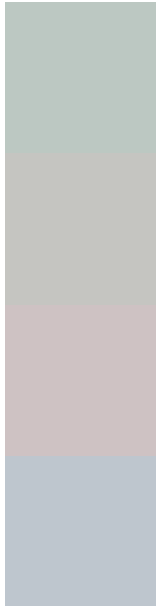
56.9135, 55.8461, 60.0043



## Tritanopia

53.4624, 55.8130, 70.9060

# Trichromacy



## Original Color

51.1309, 55.8950, 59.1329

## Protanomaly

52.6178, 55.6531, 58.4209

## Deuteranomaly

54.5957, 55.6455, 59.4929

## Tritanomaly

52.5699, 55.7915, 66.3906

# Monochromacy



## Original Color

51.1309, 55.8950, 59.1329

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

51.8089, 55.2101, 59.5558

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.1309, 55.8950, 59.1329 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, 200, 194)` looks like.

```
.text, #text, p{  
    color:rgb(188, 200, 194)  
}
```

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, 200, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 200, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 51.1309, 55.8950, 59.1329 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, 200, 194) }
```



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

```
.border{ border-color:rgb(188, 200, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 200, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 200, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 200, 194);  
box-shadow:4px 4px 4px 4px rgb(188, 200,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.1309, 55.8950, 59.1329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 200, 194) }
```

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

```
.background{ background-color: rgb(188,  
200, 194) }
```

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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