

# Converting Colors

XYZ(54.6498, 63.0866, 59.2182)

Have a look what the booklet for  
XYZ(54.6498, 63.0866, 59.2182)  
contains.

<b>XYZ(54.8011, 63.2255, 59.1846)</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(54.8011, 63.2255,  
59.1846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDD7C0
RGB	189, 215, 192
RGB Percent	74%, 84%, 75%
CMY	0.2588, 0.1568, 0.2471
CMYK	0.12, 0.00, 0.11, 0.16
HSL	127°, 25%, 79%
HSV	127°, 12%, 84%
XYZ	54.8011, 63.2255, 59.1846
YIQ	204.6040, -8.1130, -12.6650

# Conversions

## Conversions Part 2

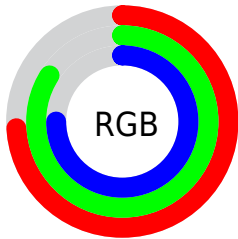
Format	Color
R <sub>YB</sub>	189, 212, 215
Decimal	12441536
CIE Lab	83.56, -12.99, 8.43
CIE LCh	84, 15.486, 147.001
Yxy	63.2255, 0.3092, 0.3568
Android (android.graphics.Color)	4290631616 (0xFFBDD7C0)
YUV	204.6040, -6.2138, -13.6847
Hunter-Lab	79.5145, -16.1287, 11.5291

# Details

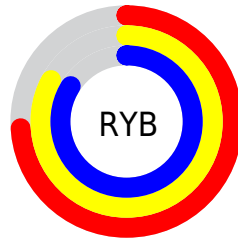
The XYZ color **54.8011, 63.2255, 59.1846** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.1078, 55.5972, 69.9589**, and the grayscale version is **57.8202, 60.8313, 66.2453**.

A 20% lighter version of the original color is **90.3595, 97.7098, 102.9044**, and **27.3843, 32.2399, 29.2057** is the 20% darker color. If you saturate the color by 10%, you get **47.8851, 59.8900, 48.5622**, and if you desaturate by 10%, it is **62.7836, 67.0830, 71.2812**.

# Distribution



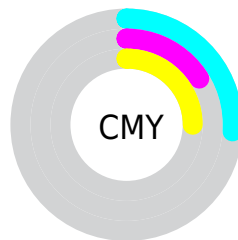
- Red (74%)
- Green (84%)
- Blue (75%)



- Red (74%)
- Yellow (83%)
- Blue (84%)



- Cyan (12%)
- Magenta (0%)
- Yellow (11%)
- Black (16%)



- Cyan (26%)
- Magenta (16%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8011, 63.2255, 59.1846 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 54.8011, 63.2255, 59.1846 by changing the saturation by 10% instead.



■ 54.8011, 63.2255,  
59.1846

■ 54.8011, 63.2255,  
59.1846

395.3062,  
436.3874, 439.3066

■ 39.4757, 46.0237,  
42.3408

■ 96.3995, 109.4948,  
105.1777

■ 27.3124, 32.2645,  
29.0406

123.4032,  
139.3310, 135.1640

■ 17.9458, 21.5636,  
18.8657

155.0304,  
174.1475, 170.3682

■ 11.0105, 13.5366,  
11.3975

191.6465,  
214.3286, 211.2088

■ 6.1413, 7.7991,  
6.2173

233.6167,  
260.2587, 258.1044

■ 2.9726, 3.9667,  
2.9068

281.3065,

■ 1.1393, 1.6549,

312.3223, 311.4736

1.0472

335.0812,  
370.9038, 371.7348

■ 0.0576, 0.3942,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.8011, 63.2255,  
59.1846

■ 54.8011, 63.2255,  
59.1846

■ 47.8851, 59.8900,  
48.5622

■ 62.7836, 67.0830,  
71.2812

■ 41.9854, 57.0462,  
39.3537

■ 71.8697, 71.4750,  
84.9010

■ 37.0554, 54.6735,  
31.5007

■ 82.1012, 76.4238,  
100.0959

■ 33.0431, 52.7461,  
24.9392

■ 83.5917, 77.0834,  
105.0806

■ 29.8911, 51.2361,  
19.6000

■ 27.5361, 50.1124,  
15.4074

■ 25.9054, 49.3394,  
12.2774

■ 24.9132, 48.8747,  
10.1144

■ 24.4751, 48.6728,  
9.0138

# Harmonies

## Analogous

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



57.1884, 63.2255, 53.5392



54.8011, 63.2255, 59.1846



53.8283, 63.2255, 67.8715

# Triad

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



54.8011, 63.2255, 59.1846



59.7542, 63.2255, 89.1753



66.0790, 63.2255, 60.7245

# Complementary

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



54.8011, 63.2255, 59.1846



58.1078, 55.5972, 69.9589

# 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.



66.8278, 63.2255, 69.8213



54.8011, 63.2255, 59.1846



63.0963, 63.2255, 86.8134

# Square

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



54.8011, 63.2255, 59.1846



56.6199, 63.2255, 85.6805



65.7171, 63.2255, 79.4963



63.7073, 63.2255, 54.3679



# Rectangle

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



54.8011, 63.2255, 59.1846



54.0846, 63.2255, 74.4346



65.7171, 63.2255, 79.4963



66.5327, 63.2255, 63.5365

# Sweetspot

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



54.8028, 63.2282, 59.1860



89.9775, 97.5489, 101.2568



60.7553, 66.3348, 57.7465



19.0610, 20.7839, 21.3742



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

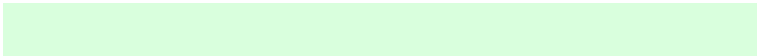


# Same Dimension

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



54.8028, 63.2282, 59.1860



77.3740, 91.4626, 82.0970



56.2598, 63.8110, 66.8585



12.3201, 13.9190, 13.5002



14.6583, 29.1187, 5.4965



0.9041, 1.7643, 0.4365



# Inverse Universe

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



58.1078, 55.5972, 69.9589



83.3359, 77.6959, 101.5298



56.5792, 54.9857, 61.9095



12.8884, 12.6069, 15.3527



22.3588, 10.8799, 30.2574



1.3665, 0.6634, 1.9193



# Previews

## White Background



This preview shows how the XYZ color 54.8011, 63.2255, 59.1846 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 54.8011, 63.2255, 59.1846 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

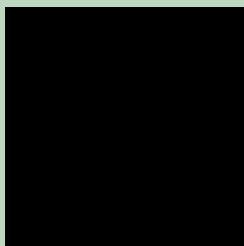
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

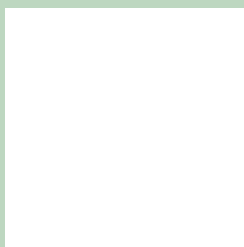
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.8011, 63.2255, 59.1846**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8011, 63.2255, 59.1846.



This preview shows how white text looks on a background with the XYZ color 54.8011, 63.2255,



# 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

54.8011, 63.2255, 59.1846

### Protanopia

59.7088, 62.8554, 56.5623

### Deuteranopia

64.3412, 63.0371, 60.4060



## **Tritanopia**

59.4174, 63.2413, 81.7482

# Trichromacy



## Original Color

54.8011, 63.2255, 59.1846

## Protanomaly

57.6855, 62.8891, 57.2426

## Deuteranomaly

60.4242, 62.7894, 59.9738

## Tritanomaly

57.6734, 63.2795, 72.7928

# Monochromacy



## Original Color

54.8011, 63.2255, 59.1846

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

56.7790, 61.9132, 63.6014

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8011, 63.2255, 59.1846 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(189, 215, 192)` looks like.

```
.text, #text, p{  
    color:rgb(189, 215, 192)  
}
```

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(189, 215, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 215, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8011, 63.2255, 59.1846 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(189, 215, 192) }
```



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

```
.border{ border-color:rgb(189, 215, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 215, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 215, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 215, 192);  
box-shadow:4px 4px 4px 4px rgb(189, 215,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8011, 63.2255, 59.1846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 215, 192) }
```

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

```
.background{ background-color: rgb(189,  
215, 192) }
```

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