

# Converting Colors

XYZ(60.0254, 63.1514, 68.7719)

Have a look what the booklet for  
XYZ(60.0254, 63.1514, 68.7719)  
contains.

<b>XYZ(59.9535, 63.0757, 68.6895)</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> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**XYZ(59.9535, 63.0757,  
68.6895)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0D0D0
RGB	208, 208, 208
RGB Percent	82%, 82%, 82%
CMY	0.1843, 0.1843, 0.1843
CMYK	0.00, 0.00, 0.00, 0.18
HSL	120°, 0%, 82%
HSV	120°, 0%, 82%
XYZ	59.9535, 63.0757, 68.6895
YIQ	208.0000, -0.0000, -0.0000

# Conversions

## Conversions Part 2

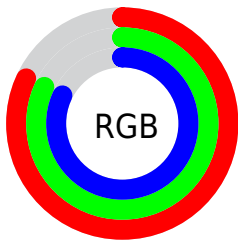
Format	Color
R <sub>YB</sub>	208, 208, 208
Decimal	13684944
CIE Lab	83.48, 0.00, -0.01
CIE LCh	83, 0.010, 297.249
Yxy	63.0757, 0.3127, 0.3290
Android (android.graphics.Color)	4291875024 (0xFFD0D0D0)
YUV	208.0000, 0.0000, 0.0000
Hunter-Lab	79.4202, -4.2376, 4.3150

# Details

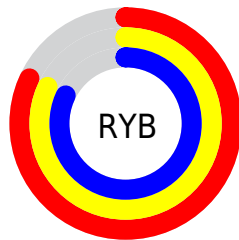
The XYZ color **59.9535, 63.0757, 68.6895** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.9558, 63.0774, 68.6928**, and the grayscale version is **59.9558, 63.0781, 68.6921**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **30.7148, 32.3143, 35.1903** is the 20% darker color. If you saturate the color by 10%, you get **52.0981, 59.3036, 55.8645**, and if you desaturate by 10%, it is **68.9131, 67.3820, 83.3097**.

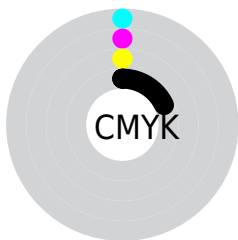
# Distribution



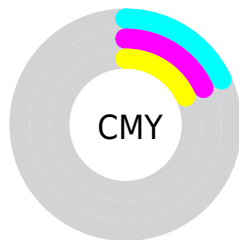
- Red (82%)
- Green (82%)
- Blue (82%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9535, 63.0757, 68.6895 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 59.9535, 63.0757, 68.6895 by changing the saturation by 10% instead.



■ 59.9535, 63.0757,  
68.6895

■ 59.9535, 63.0757,  
68.6895

414.2638,  
435.8442, 474.5993

■ 43.6305, 45.9025,  
49.9887

103.8689,  
109.2787, 119.0015

■ 30.5768, 32.1689,  
35.0333

132.1921,  
139.0773, 151.4498

■ 20.4270, 21.4905,  
23.4048

165.2459,  
173.8531, 189.3176

■ 12.8159, 13.4830,  
14.6846

203.3959,  
213.9905, 233.0236

■ 7.3780, 7.7620,  
8.4542

247.0073,  
259.8739, 282.9862

■ 3.7480, 3.9430,  
4.2950

296.4455,

■ 1.5606, 1.6417,

311.8877, 339.6240

1.7885

352.0759,  
370.4163, 403.3555

■ 0.3665, 0.3855,  
0.4204

■ 0.0000, 0.0000,  
0.0000

■ 59.9535, 63.0757,  
68.6895

■ 59.9535, 63.0757,  
68.6895

■ 52.0981, 59.3036,  
55.8645

■ 68.9131, 67.3820,  
83.3097

■ 45.2989, 56.0372,  
44.7616

■ 79.0116, 72.2338,  
99.7863

■ 39.5127, 53.2576,  
35.3088

■ 81.8471, 73.5941,  
104.4990

■ 34.6910, 50.9413,  
27.4273

■ 30.7813, 49.0633,  
21.0321

■ 27.7262, 47.5959,  
16.0299

■ 25.4620, 46.5085,  
12.3170

■ 23.9157, 45.7660,  
9.7754

■ 23.0010, 45.3270,  
8.2652

# Harmonies

## Analogous

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



59.9514, 63.0757, 68.6908



59.9535, 63.0757, 68.6895



59.9551, 63.0757, 68.6853

# Triad

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



59.9535, 63.0757, 68.6895



59.9539, 63.0757, 68.6685



59.9473, 63.0757, 68.6781

# Complementary

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



59.9535, 63.0757, 68.6895



59.9558, 63.0774, 68.6928

# 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.



59.9480, 63.0757, 68.6722



59.9535, 63.0757, 68.6895



59.9518, 63.0757, 68.6666

# Square

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



59.9535, 63.0757, 68.6895



59.9553, 63.0757, 68.6732



59.9496, 63.0757, 68.6679



59.9478, 63.0757, 68.6843



# Rectangle

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



59.9535, 63.0757, 68.6895



59.9557, 63.0757, 68.6814



59.9496, 63.0757, 68.6679



59.9474, 63.0757, 68.6760

# Sweetspot

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



59.9553, 63.0784, 68.6909

95.0500, 100.0000, 108.9000



59.9562, 63.0789, 68.6909



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



59.9553, 63.0784, 68.6909

95.0500, 100.0000, 108.9000



59.9555, 63.0785, 68.6920



13.3056, 13.9985, 15.2444



14.0610, 28.1173, 4.7014



0.7867, 1.5724, 0.2657



# Inverse Universe

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



59.9558, 63.0774, 68.6928

95.0500, 100.0000, 108.9000



59.9556, 63.0773, 68.6917



13.3056, 13.9985, 15.2444



23.2586, 11.1763, 37.8638



1.3010, 0.6251, 2.1199



# Previews

## White Background



This preview shows how the XYZ color 59.9535, 63.0757, 68.6895 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 59.9535, 63.0757, 68.6895 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

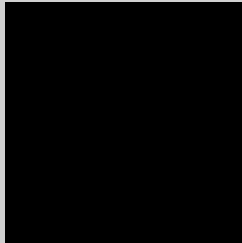
Any Text WCAG AAA ✓ Pass

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

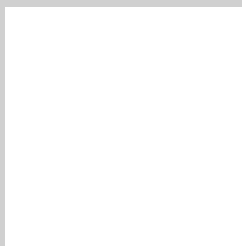


**XYZ 59.9535, 63.0757, 68.6895**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.9535, 63.0757, 68.6895.



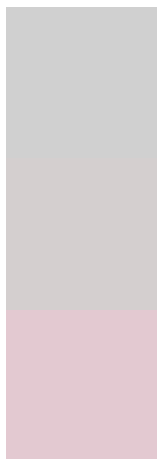
This preview shows how white text looks on a background with the XYZ color 59.9535, 63.0757,



# 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

59.9535, 63.0757, 68.6895

### Protanopia

60.7267, 63.1277, 68.0157

### Deuteranopia

64.0738, 62.7076, 69.0483



## Tritanopia

61.8345, 63.1182, 78.0312

# Trichromacy



## Original Color

59.9535, 63.0757, 68.6895

## Protanomaly

60.4393, 62.9795, 68.0023

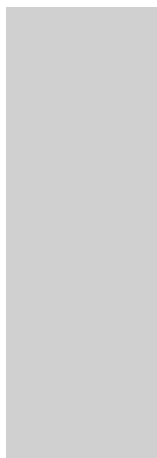
## Deuteranomaly

62.6167, 63.0048, 69.1825

## Tritanomaly

61.1317, 63.1907, 74.6207

# Monochromacy



## Original Color

59.9535, 63.0757, 68.6895

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

59.9535, 63.0757, 68.6895

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.9535, 63.0757, 68.6895 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(208, 208, 208) looks like.

```
.text, #text, p{  
    color:rgb(208, 208, 208)  
}
```

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(208, 208, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 208, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 59.9535, 63.0757, 68.6895 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(208, 208, 208) }
```

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

```
.border{ border-color:rgb(208, 208, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 208, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 208, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 208, 208);  
box-shadow:4px 4px 4px 4px rgb(208, 208,  
208) }
```



# Background

The CSS property to change the background color of an element to XYZ 59.9535, 63.0757, 68.6895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 208, 208) }
```

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

```
.background{ background-color: rgb(208,  
208, 208) }
```

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