

# Converting Colors

XYZ(57.3607, 62.4366, 65.8689)

Have a look what the booklet for  
XYZ(57.3607, 62.4366, 65.8689)  
contains.

<b>XYZ(57.4989, 62.5949, 66.1783)</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(57.4989, 62.5949,  
66.1783)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7D2CC
RGB	199, 210, 204
RGB Percent	78%, 82%, 80%
CMY	0.2196, 0.1765, 0.2000
CMYK	0.05, 0.00, 0.03, 0.18
HSL	147°, 11%, 80%
HSV	147°, 5%, 82%
XYZ	57.4989, 62.5949, 66.1783
YIQ	206.0270, -4.6300, -4.1980

# Conversions

## Conversions Part 2

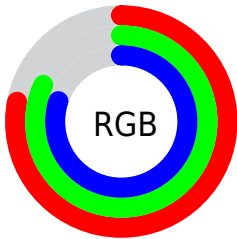
Format	Color
<a href="#">RYB</a>	<a href="#">199, 207, 210</a>
Decimal	<a href="#">13095628</a>
CIELab	<a href="#">83.23, -4.84, 1.67</a>
CIELCh	<a href="#">83, 5.117, 160.948</a>
Yxy	<a href="#">62.5949, 0.3087, 0.3360</a>
Android (android.graphics.Color)	<a href="#">4291285708 (0xFFC7D2CC)</a>
YUV	<a href="#">206.0270, -0.9993, -6.1627</a>
Hunter-Lab	<a href="#">79.1169, -8.7283, 5.7880</a>

# Details

The XYZ color **57.4989, 62.5949, 66.1783** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.0235, 58.9580, 66.0825**, and the grayscale version is **58.6933, 61.7499, 67.2457**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **29.0705, 31.9987, 33.4983** is the 20% darker color. If you saturate the color by 10%, you get **50.9830, 59.3906, 58.9622**, and if you desaturate by 10%, it is **64.8885, 66.2414, 73.9657**.

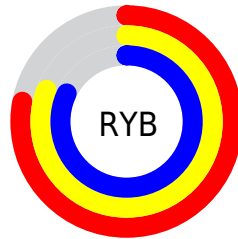
# Distribution



Red (78%)

Green (82%)

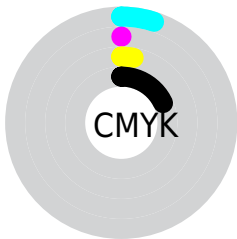
Blue (80%)



Red (78%)

Yellow (81%)

Blue (82%)

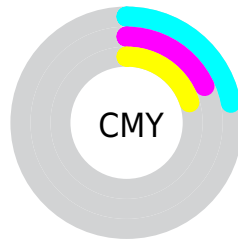


Cyan (5%)

Magenta (0%)

Yellow (3%)

Black (18%)



Cyan (22%)

Magenta (18%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.4989, 62.5949, 66.1783 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 57.4989, 62.5949, 66.1783 by changing the saturation by 10% instead.



■ 57.4989, 62.5949,  
66.1783

■ 57.4989, 62.5949,  
66.1783

405.3001,  
434.0978, 465.4359

■ 41.6476, 45.5136,  
47.9598

100.3199,  
108.5849, 115.3716

■ 29.0154, 31.8621,  
33.4353

128.0204,  
138.2623, 147.1835

■ 19.2368, 21.2562,  
22.1862

160.4014,  
172.9072, 184.3636

■ 11.9465, 13.3114,  
13.7942

197.8281,  
212.9040, 227.3304

■ 6.7792, 7.6433,  
7.8405

240.6660,  
258.6370, 276.5025

■ 3.3695, 3.8676,  
3.9068

289.2804,

■ 1.3520, 1.5998,

310.4908, 332.2984

1.5743

344.0367,  
368.8495, 395.1367

■ 0.2217, 0.3574,  
0.2724

■ 0.0000, 0.0000,  
0.0000

■ 57.4989, 62.5949,  
66.1783

■ 57.4989, 62.5949,  
66.1783

■ 50.9830, 59.3906,  
58.9622

■ 64.8885, 66.2414,  
73.9657

■ 45.3019, 56.6034,  
52.3005

■ 73.1779, 70.3382,  
82.3326

■ 40.4218, 54.2180,  
46.1810

■ 79.7755, 73.5506,  
91.1697

■ 36.3043, 52.2149,  
40.5901

■ 81.5167, 74.2471,  
100.3391

■ 32.9078, 50.5728,  
35.5132

■ 82.3378, 74.5755,  
104.6626

■ 30.1866, 49.2684,  
30.9351

■ 28.0892, 48.2757,  
26.8397

■ 26.5564, 47.5643,  
23.2101

■ 25.5161, 47.0973,  
20.0278

# Harmonies

## Analogous

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



58.1061, 62.5949, 63.6396



57.4989, 62.5949, 66.1783



57.4226, 62.5949, 69.3232

# Triad

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



57.4989, 62.5949, 66.1783



59.9010, 62.5949, 74.3376



61.1221, 62.5949, 64.2253

# Complementary

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



57.4989, 62.5949, 66.1783



58.0235, 58.9580, 66.0825

# 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.



61.6158, 62.5949, 67.0004



57.4989, 62.5949, 66.1783



60.9050, 62.5949, 72.8795

# Square

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



57.4989, 62.5949, 66.1783



58.8002, 62.5949, 74.1008



61.5359, 62.5949, 70.1711



60.1944, 62.5949, 62.5365



# Rectangle

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



57.4989, 62.5949, 66.1783



57.6819, 62.5949, 71.3488



61.5359, 62.5949, 70.1711



61.3448, 62.5949, 65.0584

# Sweetspot

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



57.5007, 62.5976, 66.1797



92.7537, 98.8676, 106.4710



58.5483, 63.2058, 63.1480



19.8772, 21.1736, 22.8147



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.



57.5007, 62.5976, 66.1797



88.3283, 96.6868, 101.7218



58.1664, 62.8639, 69.6853



12.2876, 13.4968, 14.1560



15.3793, 28.6446, 11.6433



0.8997, 1.6175, 0.8605



# Inverse Universe

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



58.0235, 58.9580, 66.0825



89.2625, 90.1839, 101.5482



57.3765, 58.6991, 62.6754



12.4291, 12.5123, 14.1297



18.1364, 9.1274, 10.8904

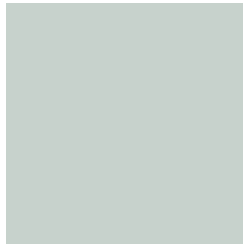


1.0538, 0.5263, 0.8183



# Previews

## White Background



This preview shows how the XYZ color 57.4989, 62.5949, 66.1783 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

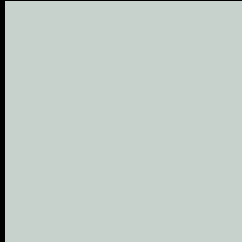
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.4989, 62.5949, 66.1783 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

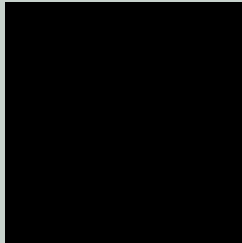
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

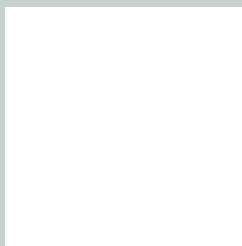
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.4989, 62.5949, 66.1783**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.4989, 62.5949, 66.1783.



This preview shows how white text looks on a background with the XYZ color 57.4989, 62.5949,



# 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

57.4989, 62.5949, 66.1783

### Protanopia

59.8834, 62.4039, 64.7661

### Deuteranopia

63.4734, 62.0957, 67.0328



## Tritanopia

59.9892, 62.5099, 78.7159

# Trichromacy



## Original Color

57.4989, 62.5949, 66.1783

## Protanomaly

58.8244, 62.2028, 65.4059

## Deuteranomaly

61.2276, 62.3452, 66.5644

## Tritanomaly

59.0379, 62.4871, 73.9153

# Monochromacy



## Original Color

57.4989, 62.5949, 66.1783

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

57.9609, 61.7299, 66.6178

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.4989, 62.5949, 66.1783 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(199, 210, 204)` looks like.

```
.text, #text, p{  
    color:rgb(199, 210, 204)  
}
```

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(199, 210, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 210, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 57.4989, 62.5949, 66.1783 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(199, 210, 204) }
```



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

```
.border{ border-color:rgb(199, 210, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 210, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 210, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 210, 204);  
box-shadow:4px 4px 4px 4px rgb(199, 210,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.4989, 62.5949, 66.1783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 210, 204) }
```

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

```
.background{ background-color: rgb(199,  
210, 204) }
```

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