

# Converting Colors

XYZ(58.0803, 62.5271, 67.9067)

Have a look what the booklet for  
XYZ(58.0803, 62.5271, 67.9067)  
contains.

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# **Color**

**XYZ(58.1503, 62.5234,  
68.0349)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9D1CF
RGB	201, 209, 207
RGB Percent	79%, 82%, 81%
CMY	0.2118, 0.1804, 0.1882
CMYK	0.04, 0.00, 0.01, 0.18
HSL	165°, 8%, 80%
HSV	165°, 4%, 82%
XYZ	58.1503, 62.5234, 68.0349
YIQ	206.3800, -4.1260, -2.3180

# Conversions

## Conversions Part 2

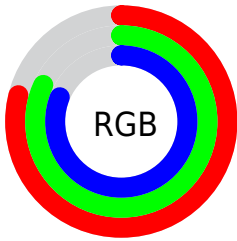
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 206, 209
Decimal	13226447
CIE <sub>Lab</sub>	83.19, -3.08, 0.04
CIE <sub>LCh</sub>	83, 3.083, 179.339
Yxy	62.5234, 0.3081, 0.3313
Android (android.graphics.Color)	4291416527 (0xFFC9D1CF)
YUV	206.3800, 0.3057, -4.7183
Hunter-Lab	79.0717, -7.1045, 4.3359

# Details

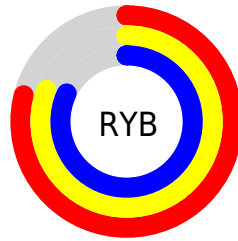
The XYZ color **58.1503, 62.5234, 68.0349** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.9629, 59.6419, 64.9599**, and the grayscale version is **58.9111, 61.9791, 67.4952**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **29.5037, 31.9456, 34.7481** is the 20% darker color. If you saturate the color by 10%, you get **52.2810, 59.5721, 64.4776**, and if you desaturate by 10%, it is **64.8089, 65.8826, 71.7424**.

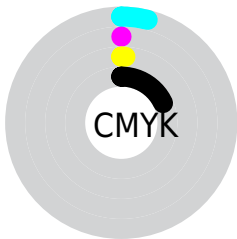
# Distribution



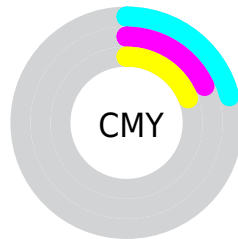
- Red (79%)
- Green (82%)
- Blue (81%)



- Red (79%)
- Yellow (81%)
- Blue (82%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)



- Cyan (21%)
- Magenta (18%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1503, 62.5234, 68.0349 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 58.1503, 62.5234, 68.0349 by changing the saturation by 10% instead.



■ 58.1503, 62.5234,  
68.0349

■ 58.1503, 62.5234,  
68.0349

407.6906,  
433.8377, 472.2211

■ 42.1732, 45.4558,  
49.4593

101.2634,  
108.4816, 118.0568

■ 29.4287, 31.8166,  
34.6158

129.1301,  
138.1410, 150.3401

■ 19.5512, 21.2214,  
23.0859

161.6908,  
172.7664, 188.0297

■ 12.1756, 13.2860,  
14.4510

199.3108,  
212.7422, 231.5441

■ 6.9365, 7.6257,  
8.2927

242.3554,  
258.4529, 281.3019

■ 3.4684, 3.8564,  
4.1924

291.1900,

■ 1.4060, 1.5936,

310.2828, 337.7217

1.7315

346.1799,  
368.6162, 401.2219

■ 0.2605, 0.3533,  
0.3822

■ 0.0000, 0.0000,  
0.0000

■ 58.1503, 62.5234,  
68.0349

■ 58.1503, 62.5234,  
68.0349

■ 52.2810, 59.5721,  
64.4776

■ 64.8089, 65.8826,  
71.7424

■ 47.1647, 57.0048,  
61.0638


■ 72.2805, 69.6568,  
75.5983


■ 42.7704, 54.8073,  
57.7923


■ 77.3200, 72.1746,  
79.4531

■ 39.0625, 52.9613,  
54.6604


■ 78.0351, 72.4607,  
83.2193


 36.0027, 51.4471,  
51.6651


 78.7723, 72.7556,  
87.1012


 33.5486, 50.2427,  
48.8034


 79.5317, 73.0593,  
91.0999


 31.6526, 49.3238,  
46.0719

 80.3134, 73.3720,  
95.2162

 30.2599, 48.6620,  
43.4668

 81.1176, 73.6937,  
99.4513

 29.3042, 48.2233,  
40.9839

 81.9446, 74.0245,  
103.8061

# Harmonies

## Analogous

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



58.3275, 62.5234, 66.2169



58.1503, 62.5234, 68.0349



58.3129, 62.5234, 69.8974

# Triad

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



58.1503, 62.5234, 68.0349



60.0588, 62.5234, 71.3378



60.0847, 62.5234, 64.9590

# Complementary

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



58.1503, 62.5234, 68.0349



57.9629, 59.6419, 64.9599

# 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.



60.5544, 62.5234, 66.2891



58.1503, 62.5234, 68.0349



60.5394, 62.5234, 69.9723

# Square

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



58.1503, 62.5234, 68.0349



59.4118, 62.5234, 71.8259



60.7215, 62.5234, 68.1198



59.4414, 62.5234, 64.4616



# Rectangle

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



58.1503, 62.5234, 68.0349



58.5928, 62.5234, 70.9088



60.7215, 62.5234, 68.1198



60.2683, 62.5234, 65.3223

# Sweetspot

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



58.1521, 62.5261, 68.0363



94.0154, 99.4785, 108.3161



58.0100, 62.5360, 64.2723



20.1341, 21.2980, 23.1903



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.



58.1521, 62.5261, 68.0363



90.0042, 97.4577, 106.0040



57.9431, 61.7136, 69.1827



12.5200, 13.6027, 14.7924



17.8352, 29.6270, 24.5762



1.0280, 1.6688, 1.5360



# Inverse Universe

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



57.9629, 59.6419, 64.9599



89.6155, 91.5328, 99.6842



58.1636, 60.4231, 63.8564



12.4595, 12.6805, 13.8087



16.6326, 8.5259, 2.9713

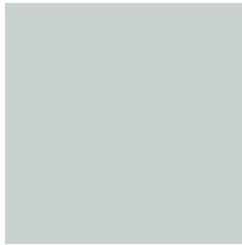


0.9624, 0.4897, 0.3371



# Previews

## White Background



This preview shows how the XYZ color 58.1503, 62.5234, 68.0349 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

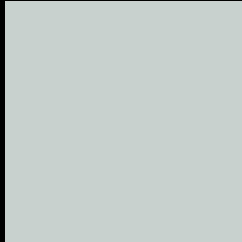
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.1503, 62.5234, 68.0349 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

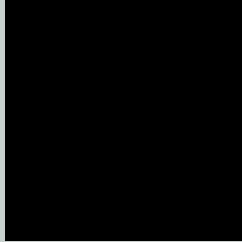
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

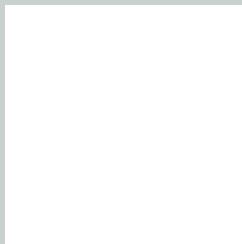
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.1503, 62.5234, 68.0349**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.1503, 62.5234, 68.0349.



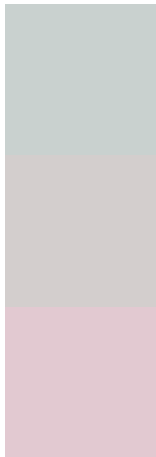
This preview shows how white text looks on a background with the XYZ color 58.1503, 62.5234,



# 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

58.1503, 62.5234, 68.0349

### Protanopia

59.9547, 62.3993, 66.6419

### Deuteranopia

63.7593, 62.5455, 69.0336



## Tritanopia

60.5339, 62.7907, 78.7414

# Trichromacy



## Original Color

58.1503, 62.5234, 68.0349

## Protanomaly

59.1855, 62.3473, 67.3073

## Deuteranomaly

61.5933, 62.4915, 68.4903

## Tritanomaly

59.7089, 62.8180, 74.6237

# Monochromacy



## Original Color

58.1503, 62.5234, 68.0349

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

58.3552, 61.9192, 67.2685

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.1503, 62.5234, 68.0349 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(201, 209, 207) looks like.

```
.text, #text, p{  
    color:rgb(201, 209, 207)  
}
```

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(201, 209, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 209, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 58.1503, 62.5234, 68.0349 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(201, 209, 207) }
```



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

```
.border{ border-color:rgb(201, 209, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 209, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 209, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 209, 207);  
box-shadow:4px 4px 4px 4px rgb(201, 209,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.1503, 62.5234, 68.0349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 209, 207) }
```

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

```
.background{ background-color: rgb(201,  
209, 207) }
```

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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