

# Converting Colors

XYZ(57.4878, 62.0725, 63.1448)

Have a look what the booklet for  
XYZ(57.4878, 62.0725, 63.1448)  
contains.

<b>XYZ(57.4933, 61.9318, 62.9566)</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(57.4933, 61.9318,  
62.9566)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">CBD0C7</a>
RGB	<a href="#">203, 208, 199</a>
RGB Percent	<a href="#">80%, 82%, 78%</a>
CMY	<a href="#">0.2039, 0.1843, 0.2196</a>
CMYK	<a href="#">0.02, 0.00, 0.04, 0.18</a>
HSL	<a href="#">93°, 9%, 80%</a>
HSV	<a href="#">93°, 4%, 82%</a>
XYZ	<a href="#">57.4933, 61.9318, 62.9566</a>
YIQ	<a href="#">205.4790, -0.0910, -3.8590</a>

# Conversions

## Conversions Part 2

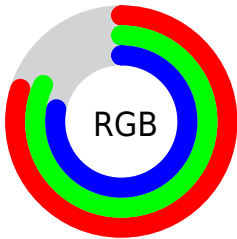
Format	Color
R <sub>Y</sub> B	199, 208, 204
Decimal	13357255
CIE Lab	82.88, -3.33, 3.86
CIE LCh	83, 5.100, 130.832
Yxy	61.9318, 0.3152, 0.3396
Android (android.graphics.Color)	4291547335 (0xFFCBD0C7)
YUV	205.4790, -3.1941, -2.1741
Hunter-Lab	78.6968, -7.3130, 7.6563

# Details

The XYZ color **57.4933, 61.9318, 62.9566** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.7128, 58.2399, 67.9301**, and the grayscale version is **58.3546, 61.3936, 66.8577**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **29.0609, 31.5451, 31.3452** is the 20% darker color. If you saturate the color by 10%, you get **52.2103, 59.4703, 50.9525**, and if you desaturate by 10%, it is **63.3447, 64.6517, 76.7131**.

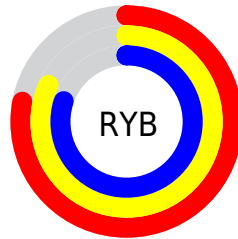
# Distribution



Red (80%)

Green (82%)

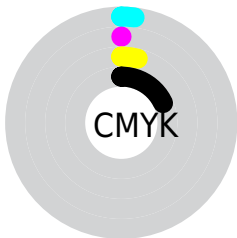
Blue (78%)



Red (78%)

Yellow (82%)

Blue (80%)

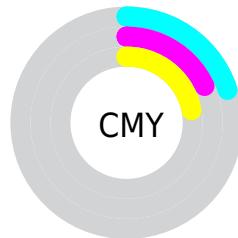


Cyan (2%)

Magenta (0%)

Yellow (4%)

Black (18%)



Cyan (20%)

Magenta (18%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.4933, 61.9318, 62.9566 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 57.4933, 61.9318, 62.9566 by changing the saturation by 10% instead.



■ 57.4933, 61.9318,  
62.9566

■ 57.4933, 61.9318,  
62.9566

405.2796,  
431.6823, 453.5156

■ 41.6431, 44.9776,  
45.3653

100.3118,  
107.6270, 110.6919

■ 29.0118, 31.4398,  
31.4002

128.0109,  
137.1367, 141.6729

■ 19.2341, 20.9340,  
20.6428

160.3903,  
171.6004, 177.9544

■ 11.9446, 13.0757,  
12.6745

197.8153,  
211.4025, 219.9547

■ 6.7779, 7.4807,  
7.0767

240.6514,  
256.9273, 268.0924

■ 3.3687, 3.7645,  
3.4309

289.2639,

■ 1.3516, 1.5427,

308.5593, 322.7861

1.3187

344.0182,  
366.6828, 384.4543

■ 0.2213, 0.3185,  
0.0770

■ 0.0000, 0.0000,  
0.0000

■ 57.4933, 61.9318,  
62.9566

■ 57.4933, 61.9318,  
62.9566

■ 52.2103, 59.4703,  
50.9525

■ 63.3447, 64.6517,  
76.7131

■ 47.4721, 57.2513,  
40.6264

■ 69.7769, 67.6296,  
92.2843

■ 43.2609, 55.2691,  
31.9046

■ 75.7598, 70.4561,  
104.2141

■ 39.5561, 53.5147,  
24.7064

■ 79.7597, 72.5181,  
104.4013

■ 36.3354, 51.9786,  
18.9440

■ 81.8471, 73.5942,  
104.4990

■ 33.5745, 50.6503,  
14.5206

■ 31.2467, 49.5186,  
11.3275

■ 29.3218, 48.5704,  
9.2391

■ 27.7639, 47.7908,  
8.1026

# Harmonies

## Analogous

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



58.4680, 61.9318, 61.6615



57.4933, 61.9318, 62.9566



56.8906, 61.9318, 65.4654

# Triad

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



57.4933, 61.9318, 62.9566



58.1731, 61.9318, 73.3132



60.9645, 61.9318, 66.3021

# Complementary

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



57.4933, 61.9318, 62.9566



56.7128, 58.2399, 67.9301

# 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.



60.8832, 61.9318, 69.4400



57.4933, 61.9318, 62.9566



59.2624, 61.9318, 73.5542

# Square

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



57.4933, 61.9318, 62.9566



57.2797, 61.9318, 71.4685



60.2570, 61.9318, 72.1171



60.4779, 61.9318, 63.5527



# Rectangle

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



57.4933, 61.9318, 62.9566



56.7764, 61.9318, 67.5211



60.2570, 61.9318, 72.1171



61.0028, 61.9318, 67.3453

# Sweetspot

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



57.4950, 61.9345, 62.9579



94.1227, 99.5691, 106.7277



57.9046, 60.6978, 62.6977



20.1559, 21.3164, 22.8670



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.



57.4950, 61.9345, 62.9579



90.5056, 97.8866, 98.3253



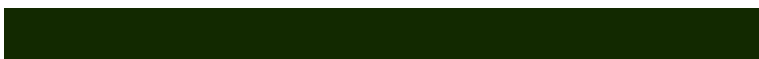
56.4720, 61.4010, 63.1834



12.5975, 13.6692, 13.5984



16.9417, 29.6027, 4.8210



1.0378, 1.7019, 0.2738



# Inverse Universe

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



56.7128, 58.2399, 67.9301



89.0633, 91.0747, 107.4928



57.7680, 58.7903, 67.6907



12.3731, 12.6089, 15.0253



11.6641, 5.1933, 37.5801

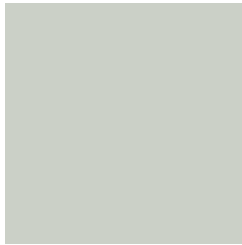


0.7427, 0.3370, 2.1055



# Previews

## White Background



This preview shows how the XYZ color 57.4933, 61.9318, 62.9566 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

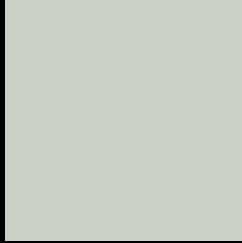
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.4933, 61.9318, 62.9566 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

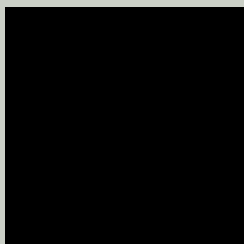
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

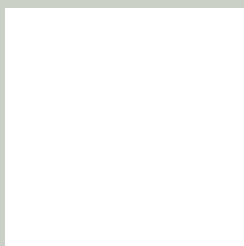
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.4933, 61.9318, 62.9566**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.4933, 61.9318, 62.9566.



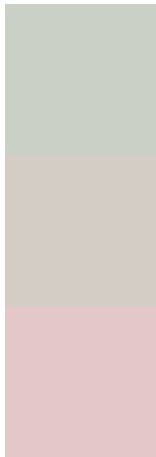
This preview shows how white text looks on a background with the XYZ color 57.4933, 61.9318,



# 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

57.4933, 61.9318, 62.9566

### Protanopia

59.1757, 61.7369, 62.2236

### Deuteranopia

62.9609, 61.5579, 63.8218



## Tritanopia

60.3361, 62.0049, 77.1947

# Trichromacy



## Original Color

57.4933, 61.9318, 62.9566

## Protanomaly

58.5588, 61.7751, 62.2635

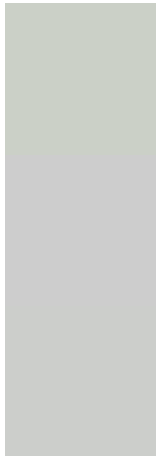
## Deuteranomaly

60.7593, 61.4713, 63.3064

## Tritanomaly

59.2584, 61.9258, 71.7804

# Monochromacy



## Original Color

57.4933, 61.9318, 62.9566

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

57.7526, 61.2918, 65.2865

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.4933, 61.9318, 62.9566 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(203, 208, 199) looks like.

```
.text, #text, p{  
    color:rgb(203, 208, 199)  
}
```

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(203, 208, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 208, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 57.4933, 61.9318, 62.9566 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(203, 208, 199) }
```



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

```
.border{ border-color:rgb(203, 208, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 208, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 208, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 208, 199);  
box-shadow:4px 4px 4px 4px rgb(203, 208,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.4933, 61.9318, 62.9566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 208, 199) }
```

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

```
.background{ background-color: rgb(203,  
208, 199) }
```

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