

# Converting Colors

XYZ(58.6592, 62.9571, 62.9946)

Have a look what the booklet for  
XYZ(58.6592, 62.9571, 62.9946)  
contains.

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# Color

**XYZ(58.5629, 62.8463,  
63.0768)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CED1C7
RGB	206, 209, 199
RGB Percent	81%, 82%, 78%
CMY	0.1922, 0.1804, 0.2196
CMYK	0.01, 0.00, 0.05, 0.18
HSL	78°, 10%, 80%
HSV	78°, 5%, 82%
XYZ	58.5629, 62.8463, 63.0768
YIQ	206.9630, 1.4220, -3.7460

# Conversions

## Conversions Part 2

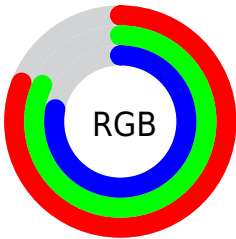
Format	Color
R <sub>Y</sub> B	199, 209, 202
Decimal	13554119
CIE Lab	83.36, -2.82, 4.59
CIE LCh	83, 5.384, 121.542
Yxy	62.8463, 0.3174, 0.3407
Android (android.graphics.Color)	4291744199 (0xFFCED1C7)
YUV	206.9630, -3.9258, -0.8446
Hunter-Lab	79.2757, -6.8700, 8.3180

# Details

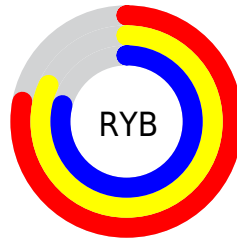
The XYZ color **58.5629, 62.8463, 63.0768** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.2916, 58.0086, 68.5548**, and the grayscale version is **59.3097, 62.3984, 67.9519**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **29.7811, 32.1624, 31.4264** is the 20% darker color. If you saturate the color by 10%, you get **54.5939, 61.0634, 51.0817**, and if you desaturate by 10%, it is **62.9384, 64.8038, 76.8333**.

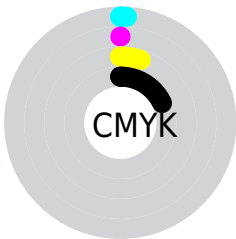
# Distribution



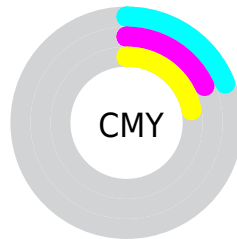
- Red (81%)
- Green (82%)
- Blue (78%)



- Red (78%)
- Yellow (82%)
- Blue (79%)



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (18%)



- Cyan (19%)
- Magenta (18%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5629, 62.8463, 63.0768 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 58.5629, 62.8463, 63.0768 by changing the saturation by 10% instead.



■ 58.5629, 62.8463,  
63.0768

■ 58.5629, 62.8463,  
63.0768

409.2003,  
435.0115, 453.9638

■ 42.5064, 45.7169,  
45.4619

101.8604,  
108.9477, 110.8669

■ 29.6908, 32.0225,  
31.4758

129.8320,  
138.6885, 141.8793

■ 19.7509, 21.3787,  
20.7000

162.5061,  
173.4019, 178.1946

■ 12.3213, 13.4011,  
12.7158

200.2480,  
213.4723, 220.2314

■ 7.0367, 7.7053,  
7.1047

243.4230,  
259.2840, 268.4081

■ 3.5316, 3.9070,  
3.4482

292.3965,

■ 1.4407, 1.6217,

311.2216, 323.1434

1.3278

347.5338,  
369.6692, 384.8558

■ 0.2850, 0.3721,  
0.0844

■ 0.0000, 0.0000,  
0.0000

■ 58.5629, 62.8463,  
63.0768

■ 58.5629, 62.8463,  
63.0768

■ 54.5939, 61.0634,  
51.0817

■ 62.9384, 64.8038,  
76.8333

■ 51.0117, 59.4412,  
40.7728

■ 67.7286, 66.9334,  
92.4143

■ 47.8030, 57.9762,  
32.0756

■ 71.8498, 68.8035,  
104.1013

■ 44.9513, 56.6618,  
24.9081

■ 73.8406, 69.8298,  
104.1944

■ 42.4389, 55.4908,  
19.1815

■ 75.9041, 70.8936,  
104.2910

■ 40.2464, 54.4553,  
14.7976

■ 78.0410, 71.9952,  
104.3910

■ 38.3519, 53.5464,  
11.6460

■ 80.2520, 73.1350,  
104.4945

■ 36.7301, 52.7540,  
9.5988

■ 82.0917, 74.0834,  
104.5806

■ 35.3507, 52.0657,  
8.5000

# Harmonies

## Analogous

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



59.6729, 62.8463, 62.1806



58.5629, 62.8463, 63.0768



57.7750, 62.8463, 65.4006

# Triad

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



58.5629, 62.8463, 63.0768



58.6665, 62.8463, 74.2587



62.0137, 62.8463, 68.2555

# Complementary

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



58.5629, 62.8463, 63.0768



56.2916, 58.0086, 68.5548

# 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.



61.7359, 62.8463, 71.5493



58.5629, 62.8463, 63.0768



59.7941, 62.8463, 75.0825

# Square

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



58.5629, 62.8463, 63.0768



57.8342, 62.8463, 71.8594



60.9196, 62.8463, 74.0756



61.6739, 62.8463, 65.1094



# Rectangle

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



58.5629, 62.8463, 63.0768



57.5331, 62.8463, 67.4844



60.9196, 62.8463, 74.0756



61.9894, 62.8463, 69.3822

# Sweetspot

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



58.5646, 62.8490, 63.0782



94.3610, 99.6919, 106.7389



57.7261, 59.9219, 62.5574



20.2044, 21.3414, 22.8693



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.



58.5646, 62.8490, 63.0782



91.0135, 98.1925, 96.3607



57.1987, 62.1448, 63.0142



12.6939, 13.7245, 13.3460



21.4972, 31.9512, 5.0342



1.2801, 1.8268, 0.2851



# Inverse Universe

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



56.2916, 58.0086, 68.5548



86.5323, 88.6495, 107.1581



57.6664, 58.7173, 68.6191



12.0154, 12.2798, 14.9806



8.4379, 3.5302, 37.4292

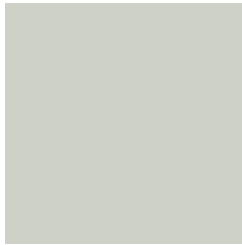


0.5519, 0.2387, 2.0966



# Previews

## White Background



This preview shows how the XYZ color 58.5629, 62.8463, 63.0768 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 58.5629, 62.8463, 63.0768 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

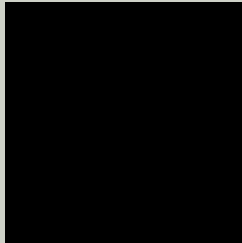
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

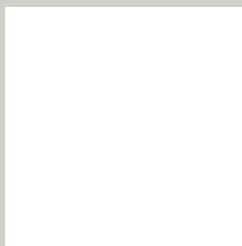
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.5629, 62.8463, 63.0768**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.5629, 62.8463, 63.0768.



This preview shows how white text looks on a background with the XYZ color 58.5629, 62.8463,



# 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

58.5629, 62.8463, 63.0768

### Protanopia

60.2374, 62.9990, 62.4113

### Deuteranopia

64.0624, 62.8133, 64.0061



## Tritanopia

61.5506, 62.9718, 78.0180

# Trichromacy



## Original Color

58.5629, 62.8463, 63.0768

## Protanomaly

59.6129, 63.0379, 62.4517

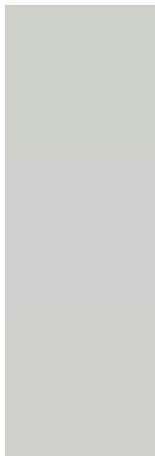
## Deuteranomaly

61.8370, 62.7280, 63.4921

## Tritanomaly

60.4628, 62.8906, 72.5707

# Monochromacy



## Original Color

58.5629, 62.8463, 63.0768

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

59.1871, 62.7368, 66.1167

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5629, 62.8463, 63.0768 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(206, 209, 199) looks like.

```
.text, #text, p{  
    color:rgb(206, 209, 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(206, 209, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 209, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5629, 62.8463, 63.0768 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(206, 209, 199) }
```



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

```
.border{ border-color:rgb(206, 209, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 209, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 209, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 209, 199); box-shadow:4px 4px 4px 4px rgb(206, 209, 199) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5629, 62.8463, 63.0768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 209, 199) }
```

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

```
.background{ background-color: rgb(206,  
209, 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](#).

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