

# Converting Colors

XYZ(58.7738, 63.7751, 69.8290)

Have a look what the booklet for  
XYZ(58.7738, 63.7751, 69.8290)  
contains.

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# Color

**XYZ(58.8715, 63.9698,  
69.5661)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8D4D1
RGB	200, 212, 209
RGB Percent	78%, 83%, 82%
CMY	0.2157, 0.1686, 0.1804
CMYK	0.06, 0.00, 0.01, 0.17
HSL	165°, 12%, 81%
HSV	165°, 6%, 83%
XYZ	58.8715, 63.9698, 69.5661
YIQ	208.0700, -6.1890, -3.4770

# Conversions

## Conversions Part 2

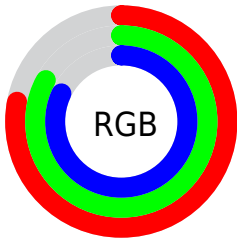
Format	Color
R <sub>Y</sub> B	200, 207, 212
Decimal	13161681
CIE Lab	83.95, -4.61, 0.07
CIE LCh	84, 4.608, 179.116
Yxy	63.9698, 0.3060, 0.3325
Android (android.graphics.Color)	4291351761 (0xFFC8D4D1)
YUV	208.0700, 0.4585, -7.0774
Hunter-Lab	79.9811, -8.5789, 4.4174

# Details

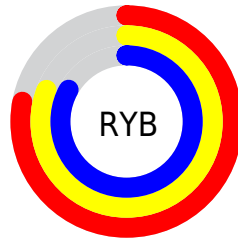
The XYZ color **58.8715, 63.9698, 69.5661** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.5875, 59.6190, 64.9227**, and the grayscale version is **60.0011, 63.1258, 68.7440**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **29.8274, 32.5915, 35.7291** is the 20% darker color. If you saturate the color by 10%, you get **52.9519, 60.9945, 65.9184**, and if you desaturate by 10%, it is **65.6018, 67.3640, 73.3685**.

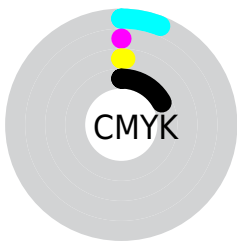
# Distribution



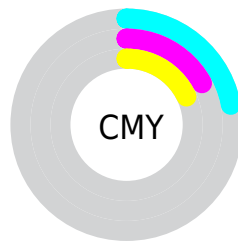
- Red (78%)
- Green (83%)
- Blue (82%)



- Red (78%)
- Yellow (81%)
- Blue (83%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (17%)



- Cyan (22%)
- Magenta (17%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8715, 63.9698, 69.5661 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 58.8715, 63.9698, 69.5661 by changing the saturation by 10% instead.



■ 58.8715, 63.9698,  
69.5661

■ 58.8715, 63.9698,  
69.5661

410.3273,  
439.0806, 477.7729

■ 42.7557, 46.6262,  
50.6983

102.3066,  
110.5674, 120.2651

■ 29.8871, 32.7403,  
35.5935

130.3565,  
140.5903, 152.9333

■ 19.9006, 21.9275,  
23.8332

163.1152,  
175.6083, 191.0387

■ 12.4306, 13.8037,  
14.9989

200.9480,  
216.0060, 234.9999

■ 7.1120, 7.9842,  
8.6720

244.2202,  
262.1677, 285.2354

■ 3.5792, 4.0849,  
4.4340

293.2973,

■ 1.4669, 1.7211,

314.4777, 342.1637

1.8663

348.5445,  
373.3206, 406.2034

■ 0.3032, 0.4373,  
0.4712

■ 0.0000, 0.0000,  
0.0000

■ 58.8715, 63.9698,  
69.5661

■ 58.8715, 63.9698,  
69.5661

■ 52.9519, 60.9945,  
65.9184

■ 65.6018, 67.3640,  
73.3685

■ 47.8051, 58.4134,  
62.4187

■ 73.1677, 71.1847,  
77.3240

■ 43.3985, 56.2114,  
59.0656

■ 78.3638, 73.7811,  
81.2849

■ 39.6949, 54.3693,  
55.8562

■ 79.0986, 74.0750,  
85.1544

■ 36.6537, 52.8663,  
52.7875

■ 79.8561, 74.3780,  
89.1433

■ 34.2302, 51.6793,  
49.8563

■ 80.6365, 74.6902,  
93.2527

■ 32.3740, 50.7824,  
47.0590

■ 81.4400, 75.0116,  
97.4837

■ 31.0265, 50.1454,  
44.3916

■ 82.2667, 75.3422,  
101.8372

■ 30.1157, 49.7311,  
41.8496

■ 82.8347, 75.5694,  
104.8282

# Harmonies

## Analogous

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



59.1424, 63.9698, 66.8235



58.8715, 63.9698, 69.5661



59.1129, 63.9698, 72.4064

# Triad

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



58.8715, 63.9698, 69.5661



61.7556, 63.9698, 74.6483



61.8083, 63.9698, 64.9664

# Complementary

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



58.8715, 63.9698, 69.5661



58.5875, 59.6190, 64.9227

# 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.



62.5217, 63.9698, 66.9688



58.8715, 63.9698, 69.5661



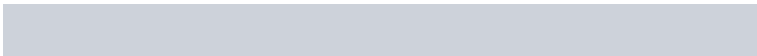
62.4911, 63.9698, 72.5597

# Square

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



58.8715, 63.9698, 69.5661



60.7713, 63.9698, 75.3895



62.7730, 63.9698, 69.7384



60.8315, 63.9698, 64.2137



# Rectangle

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



58.8715, 63.9698, 69.5661



59.5334, 63.9698, 73.9624



62.7730, 63.9698, 69.7384



62.0872, 63.9698, 65.5129

# Sweetspot

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



58.8733, 63.9725, 69.5675



92.9937, 98.9636, 107.7349



58.6540, 63.9846, 63.9033



19.9260, 21.1931, 23.0720



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.



58.8733, 63.9725, 69.5675



88.0743, 96.4860, 104.8634



58.5547, 62.7344, 71.3134



12.9103, 14.1816, 15.4097



18.4375, 30.6303, 25.3971



1.1443, 1.8604, 1.7014



# Inverse Universe

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



58.5875, 59.6190, 64.9227



87.5371, 88.3030, 96.1332



58.8876, 60.7865, 63.2737



12.8262, 12.9005, 14.0429



17.1934, 8.8137, 3.0565

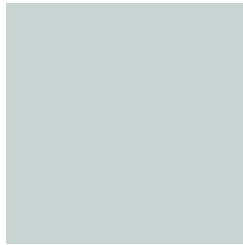


1.0705, 0.5450, 0.3608



# Previews

## White Background



This preview shows how the XYZ color 58.8715, 63.9698, 69.5661 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

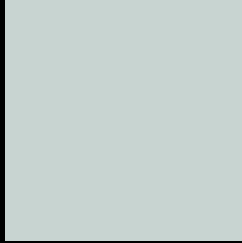
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.8715, 63.9698, 69.5661 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

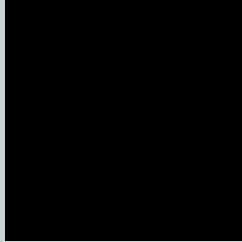
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

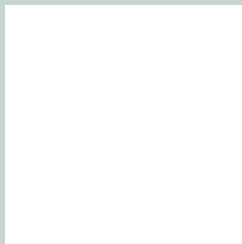
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.8715, 63.9698, 69.5661

## Background



This preview shows how black text looks on a background with the XYZ color 58.8715, 63.9698, 69.5661.



This preview shows how white text looks on a background with the XYZ color 58.8715, 63.9698,



# 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

58.8715, 63.9698, 69.5661

### Protanopia

61.2589, 63.7629, 68.1103

### Deuteranopia

65.1087, 63.9090, 70.5321



## Tritanopia

61.1565, 63.7884, 81.0406

# Trichromacy



## Original Color

58.8715, 63.9698, 69.5661

## Protanomaly

60.1981, 63.5649, 68.7710

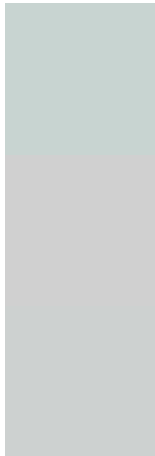
## Deuteranomaly

62.6176, 63.7012, 69.9680

## Tritanomaly

60.3220, 63.8171, 76.8488

# Monochromacy



## Original Color

58.8715, 63.9698, 69.5661

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

59.3625, 63.1341, 68.7319

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.8715, 63.9698, 69.5661 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(200, 212, 209) looks like.

```
.text, #text, p{  
    color:rgb(200, 212, 209)  
}
```

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(200, 212, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 212, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 58.8715, 63.9698, 69.5661 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(200, 212, 209) }
```



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

```
.border{ border-color:rgb(200, 212, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 212, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 212, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 212, 209);  
box-shadow:4px 4px 4px 4px rgb(200, 212,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.8715, 63.9698, 69.5661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 212, 209) }
```

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

```
.background{ background-color: rgb(200,  
212, 209) }
```

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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