

# Converting Colors

XYZ(55.8074, 58.3318, 68.3298)

Have a look what the booklet for  
XYZ(55.8074, 58.3318, 68.3298)  
contains.

<b>XYZ(55.9485, 58.5189, 68.6681)</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(55.9485, 58.5189,  
68.6681)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7C9D1
RGB	199, 201, 209
RGB Percent	78%, 79%, 82%
CMY	0.2196, 0.2117, 0.1804
CMYK	0.05, 0.04, 0.00, 0.18
HSL	228°, 10%, 80%
HSV	228°, 5%, 82%
XYZ	55.9485, 58.5189, 68.6681
YIQ	201.3140, -3.7600, 2.0640

# Conversions

## Conversions Part 2

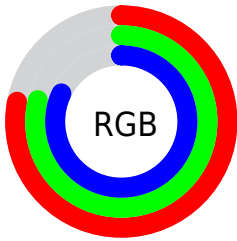
Format	Color
R <sub>Y</sub> B	199, 201, 209
Decimal	13093329
CIE Lab	81.03, 0.82, -4.23
CIE LCh	81, 4.304, 280.991
Yxy	58.5189, 0.3055, 0.3195
Android (android.graphics.Color)	4291283409 (0xFFC7C9D1)
YUV	201.3140, 3.7892, -2.0294
Hunter-Lab	76.4976, -3.3204, 0.3267

# Details

The XYZ color **55.9485, 58.5189, 68.6681** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.9163, 62.3039, 62.9545**, and the grayscale version is **55.6925, 58.5928, 63.8076**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **28.0272, 29.2537, 35.1797** is the 20% darker color. If you saturate the color by 10%, you get **47.0933, 48.4827, 67.1985**, and if you desaturate by 10%, it is **65.9927, 69.8006, 70.3172**.

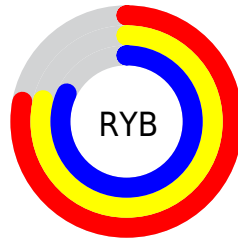
# Distribution



Red (78%)

Green (79%)

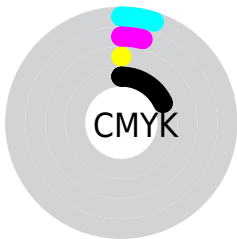
Blue (82%)



Red (78%)

Yellow (79%)

Blue (82%)

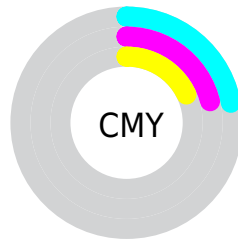


Cyan (5%)

Magenta (4%)

Yellow (0%)

Black (18%)



Cyan (22%)

Magenta (21%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9485, 58.5189, 68.6681 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 55.9485, 58.5189, 68.6681 by changing the saturation by 10% instead.



■ 55.9485, 58.5189,  
68.6681

■ 55.9485, 58.5189,  
68.6681

399.5756,  
419.1167, 474.5217

■ 40.3985, 42.2260,  
49.9714

98.0695, 102.6781,  
118.9706

■ 28.0350, 29.2783,  
35.0196

125.3712,  
131.3132, 151.4135

■ 18.4926, 19.2914,  
23.3943

157.3209,  
164.8311, 189.2756

■ 11.4060, 11.8810,  
14.6769

194.2838,  
203.6162, 232.9753

■ 6.4099, 6.6627,  
8.4489

236.6254,  
248.0529, 282.9312

■ 3.1389, 3.2521,  
4.2916

284.7110,

■ 1.2277, 1.2647,

298.5256, 339.5619

1.7866

338.9059,  
355.4188, 403.2859

■ 0.1280, 0.1136,  
0.4191

■ 0.0000, 0.0000,  
0.0000

■ 55.9485, 58.5189,  
68.6681

■ 55.9485, 58.5189,  
68.6681

■ 47.0933, 48.4827,  
67.1985

■ 65.9927, 69.8006,  
70.3172

■ 39.3776, 39.6416,  
65.8987

■ 77.2627, 82.3612,  
72.1476

■ 32.7560, 31.9527,  
64.7636

■ 87.2913, 94.9485,  
74.0487

■ 27.1779, 25.3676,  
63.7865

■ 88.5088, 97.3835,  
74.4545

■ 22.5889, 19.8346,  
62.9604

■ 18.9292, 15.2975,  
62.2776

■ 16.1325, 11.6947,  
61.7295

■ 14.1232, 8.9572,  
61.3071

■ 12.8112, 7.0055,  
60.9995

# Harmonies

## Analogous

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



55.0630, 58.5189, 68.4812



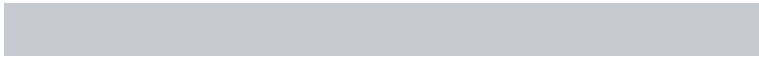
55.9485, 58.5189, 68.6681



56.7545, 58.5189, 67.5020

# Triad

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



55.9485, 58.5189, 68.6681



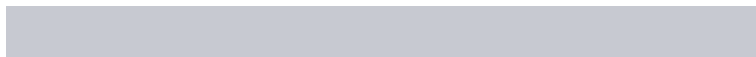
56.9268, 58.5189, 60.5453



54.0126, 58.5189, 62.1285

# Complementary

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



55.9485, 58.5189, 68.6681



58.9163, 62.3039, 62.9545

# 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.



54.5016, 58.5189, 60.0764



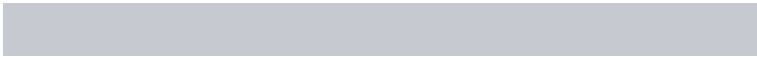
55.9485, 58.5189, 68.6681



56.1817, 58.5189, 59.1793

# Square

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



55.9485, 58.5189, 68.6681



57.3233, 58.5189, 62.7841



55.2937, 58.5189, 59.0101

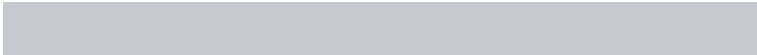


53.9516, 58.5189, 64.6594



# Rectangle

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



55.9485, 58.5189, 68.6681



57.1359, 58.5189, 66.1321



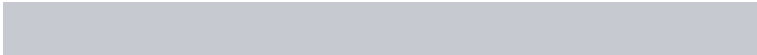
55.2937, 58.5189, 59.0101



54.1321, 58.5189, 61.3617

# Sweetspot

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



55.9502, 58.5214, 68.6694



93.4710, 98.2254, 108.6407



57.5967, 62.2409, 67.9037



20.0233, 21.0430, 23.2563



0.0000, 0.0000, 0.0000

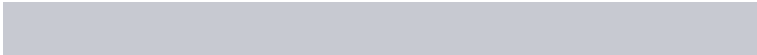


20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.9502, 58.5214, 68.6694



85.8637, 89.6534, 107.3871



56.2451, 57.9847, 68.5502



11.9144, 12.4313, 15.0152



7.6598, 3.9661, 37.5543



0.4855, 0.3361, 2.1189



# Inverse Universe

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



57.2619, 58.6204, 63.5581



88.4540, 89.8606, 97.2908



58.6101, 62.8711, 63.0801



12.3068, 12.4634, 13.4857



16.4970, 8.4716, 2.2575

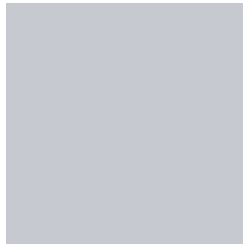


0.9513, 0.4852, 0.2782



# Previews

## White Background



This preview shows how the XYZ color 55.9485, 58.5189, 68.6681 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

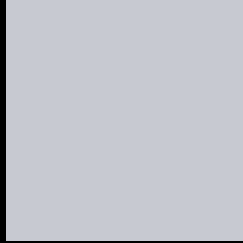
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9485, 58.5189, 68.6681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

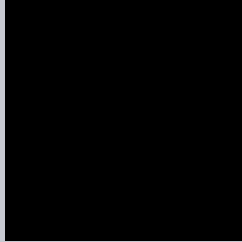
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

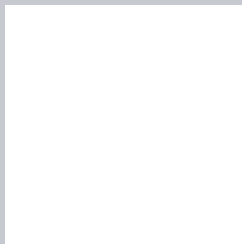
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 55.9485, 58.5189, 68.6681

## Background



This preview shows how black text looks on a background with the XYZ color 55.9485, 58.5189, 68.6681.



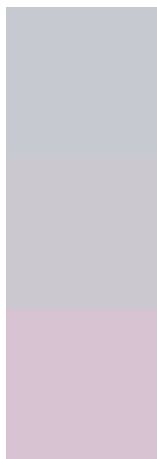
This preview shows how white text looks on a background with the XYZ color 55.9485, 58.5189,



# 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

55.9485, 58.5189, 68.6681

### Protanopia

56.6680, 58.5591, 67.9908

### Deuteranopia

59.4669, 58.2823, 69.0881



## Tritanopia

56.8684, 58.5458, 73.2689

# Trichromacy



## Original Color

55.9485, 58.5189, 68.6681

## Protanomaly

56.3966, 58.4192, 67.9781

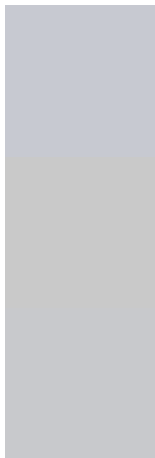
## Deuteranomaly

58.1775, 58.2873, 69.1571

## Tritanomaly

56.4839, 58.3920, 71.2446

# Monochromacy



## Original Color

55.9485, 58.5189, 68.6681

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

55.6051, 58.4123, 65.4707

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9485, 58.5189, 68.6681 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, 201, 209) looks like.

```
.text, #text, p{  
    color:rgb(199, 201, 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(199, 201, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 201, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9485, 58.5189, 68.6681 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, 201, 209) }
```



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

```
.border{ border-color:rgb(199, 201, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 201, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 201, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 201, 209);  
box-shadow:4px 4px 4px 4px rgb(199, 201,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9485, 58.5189, 68.6681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 201, 209) }
```

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

```
.background{ background-color: rgb(199,  
201, 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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