

Converting Colors

XYZ(58.2393, 58.4901, 85.4493)

Have a look what the booklet for
XYZ(58.2393, 58.4901, 85.4493)
contains.

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Color

**XYZ(58.4201, 58.7358,
85.3489)**

Conversions

Conversions Part 1

Format	Color
Hex	C6C7E9
RGB	198, 199, 233
RGB Percent	78%, 78%, 91%
CMY	0.2235, 0.2196, 0.0863
CMYK	0.15, 0.15, 0.00, 0.09
HSL	238°, 44%, 85%
HSV	238°, 15%, 91%
XYZ	58.4201, 58.7358, 85.3489
YIQ	202.5770, -11.5100, 10.3620

Conversions

Conversions Part 2

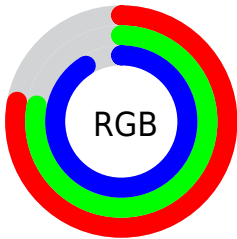
Format	Color
R _Y B	198, 199, 233
Decimal	13027305
CIE Lab	81.15, 6.39, -16.91
CIE LCh	81, 18.079, 290.686
Yxy	58.7358, 0.2885, 0.2900
Android (android.graphics.Color)	4291217385 (0xFFC6C7E9)
YUV	202.5770, 14.9985, -4.0140
Hunter-Lab	76.6393, 1.9471, -12.3805

Details

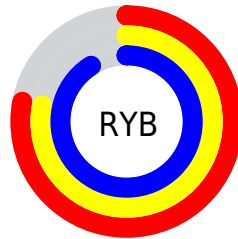
The XYZ color **58.4201, 58.7358, 85.3489** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.6543, 79.1138, 64.8686**, and the grayscale version is **56.4153, 59.3533, 64.6357**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **29.5628, 29.3544, 45.7028** is the 20% darker color. If you saturate the color by 10%, you get **47.9189, 46.1594, 83.4758**, and if you desaturate by 10%, it is **70.6441, 73.3530, 87.5270**.

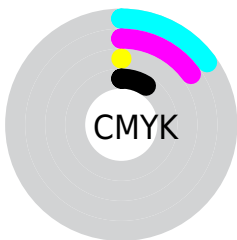
Distribution



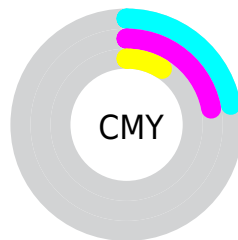
- Red (78%)
- Green (78%)
- Blue (91%)



- Red (78%)
- Yellow (78%)
- Blue (91%)



- Cyan (15%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)



- Cyan (22%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4201, 58.7358, 85.3489 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 58.4201, 58.7358, 85.3489 by changing the saturation by 10% instead.

■ 58.4201, 58.7358,
85.3489

■ 58.4201, 58.7358,
85.3489

408.6782,
419.9221, 532.9565

■ 42.3910, 42.4005,
63.5779

101.6538,
102.9936, 142.7390

■ 29.6001, 29.4150,
45.8649

129.5892,
131.6848, 179.1952

■ 19.6818, 19.3950,
31.7913

162.2241,
165.2635, 221.3836

■ 12.2709, 11.9560,
20.9387

199.9238,
204.1140, 269.7226

■ 7.0019, 6.7137,
12.8884

243.0537,
248.6207, 324.6309

■ 3.5097, 3.2837,
7.2219

291.9792,

■ 1.4287, 1.2816,

299.1680, 386.5270

3.5207

347.0655,
356.1404, 455.8293

■ 0.2765, 0.1269,
1.3663

■ 0.0000, 0.0000,
0.1152

■ 58.4201, 58.7358,
85.3489

■ 58.4201, 58.7358,
85.3489

■ 47.9189, 46.1594,
83.4758

■ 70.6441, 73.3530,
87.5270

■ 39.0579, 35.5261,
81.8904

■ 84.6578, 90.0884,
90.0186

■ 31.7561, 26.7414,
80.5796

■ 91.7082, 98.6633,
91.3021

■ 25.9232, 19.6997,
79.5279

■ 21.4597, 14.2849,
78.7180

■ 18.2538, 10.3669,
78.1307

■ 16.1763, 7.7955,
77.7439

■ 15.0696, 6.3893,
77.5308

■ 14.7806, 6.0281,
77.4763

Harmonies

Analogous

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



54.6646, 58.7358, 86.6429



58.4201, 58.7358, 85.3489



61.6100, 58.7358, 77.9912

Triad

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



58.4201, 58.7358, 85.3489



60.5343, 58.7358, 49.2320



48.9908, 58.7358, 60.6601

Complementary

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



58.4201, 58.7358, 85.3489



72.6543, 79.1138, 64.8686

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.



50.4170, 58.7358, 51.7098



58.4201, 58.7358, 85.3489



57.0050, 58.7358, 45.6171

Square

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



58.4201, 58.7358, 85.3489



62.8682, 58.7358, 56.9133



53.3110, 58.7358, 46.4703



49.3315, 58.7358, 71.5512

Rectangle

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



58.4201, 58.7358, 85.3489



62.9323, 58.7358, 71.0498



53.3110, 58.7358, 46.4703



49.2770, 58.7358, 57.3458

Sweetspot

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



58.4219, 58.7382, 85.3502



86.6894, 90.0126, 107.4129



66.9706, 76.1014, 87.3802



18.3132, 18.9773, 22.9477



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.



58.4219, 58.7382, 85.3502



67.5219, 67.0880, 103.9982



62.7322, 60.6190, 85.4861



14.2658, 14.6180, 18.9919



8.4019, 3.4508, 43.9662



0.6720, 0.2954, 3.4565

Inverse Universe

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



64.1086, 61.8367, 62.5923



75.7496, 71.5838, 71.0685



67.8494, 77.0568, 64.7248



15.0830, 15.0610, 15.7221



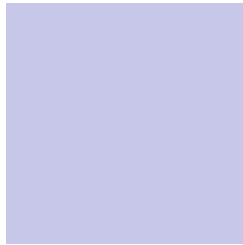
19.0962, 9.8412, 1.0419



1.5057, 0.7752, 0.1143

Previews

White Background



This preview shows how the XYZ color 58.4201, 58.7358, 85.3489 looks on a white background.

Color Contrast Check

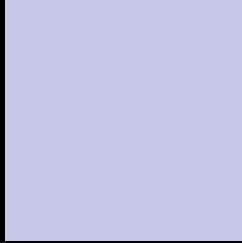
Large Text (above 18pt) WCAG AA × Fail

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 58.4201, 58.7358, 85.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

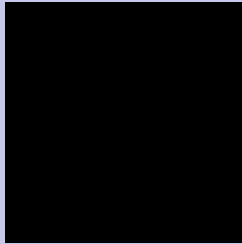
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4201, 58.7358, 85.3489

Background



This preview shows how black text looks on a background with the XYZ color 58.4201, 58.7358, 85.3489.



This preview shows how white text looks on a background with the XYZ color 58.4201, 58.7358,

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

58.4201, 58.7358, 85.3489

Protanopia

58.0112, 58.8512, 86.1438

Deuteranopia

60.0448, 58.5422, 85.9770



Tritanopia

56.2811, 58.9051, 74.7332

Trichromacy



Original Color

58.4201, 58.7358, 85.3489

Protanomaly

58.2705, 58.9848, 86.1559

Deuteranomaly

59.4461, 58.5695, 86.0138

Tritanomaly

56.9709, 58.8368, 78.1660

Monochromacy



Original Color

58.4201, 58.7358, 85.3489

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

57.3455, 59.5136, 72.0832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4201, 58.7358, 85.3489 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(198, 199, 233)` looks like.

```
.text, #text, p{  
    color:rgb(198, 199, 233)  
}
```

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(198, 199, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 199, 233) }
```

Border

The CSS property to change the border of an element to XYZ 58.4201, 58.7358, 85.3489 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(198, 199, 233) }
```


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

```
.border{ border-color:rgb(198, 199, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 199, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 199, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 199, 233);  
box-shadow:4px 4px 4px 4px rgb(198, 199,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4201, 58.7358, 85.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 199, 233) }
```

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

```
.background{ background-color: rgb(198,  
199, 233) }
```

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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