

Converting Colors

XYZ(58.5400, 60.4777, 83.3054)

Have a look what the booklet for
XYZ(58.5400, 60.4777, 83.3054)
contains.

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Color

**XYZ(58.6407, 60.6347,
83.4759)**

Conversions

Conversions Part 1

Format	Color
Hex	C4CCE6
RGB	196, 204, 230
RGB Percent	77%, 80%, 90%
CMY	0.2314, 0.2000, 0.0980
CMYK	0.15, 0.11, 0.00, 0.10
HSL	226°, 40%, 84%
HSV	226°, 15%, 90%
XYZ	58.6407, 60.6347, 83.4759
YIQ	204.5720, -13.1140, 6.3900

Conversions

Conversions Part 2

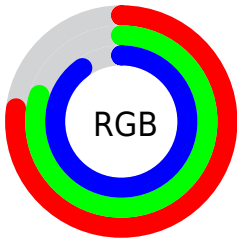
Format	Color
R _Y B	196, 202, 230
Decimal	12897510
CIE Lab	82.18, 2.46, -13.77
CIE LCh	82, 13.986, 280.114
Yxy	60.6347, 0.2892, 0.2991
Android (android.graphics.Color)	4291087590 (0xFFC4CCE6)
YUV	204.5720, 12.5360, -7.5176
Hunter-Lab	77.8683, -1.8455, -9.0519

Details

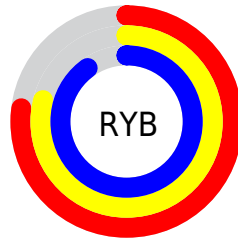
The XYZ color **58.6407, 60.6347, 83.4759** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.7185, 73.0506, 62.7040**, and the grayscale version is **57.6870, 60.6913, 66.0928**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **29.7017, 30.6195, 44.3891** is the 20% darker color. If you saturate the color by 10%, you get **49.1642, 49.8920, 81.9028**, and if you desaturate by 10%, it is **69.5099, 72.7992, 85.2520**.

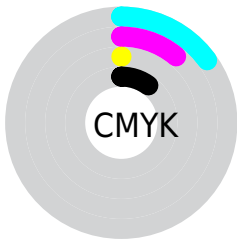
Distribution



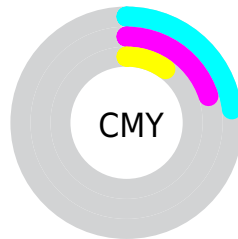
- Red (77%)
- Green (80%)
- Blue (90%)



- Red (77%)
- Yellow (79%)
- Blue (90%)



- Cyan (15%)
- Magenta (11%)
- Yellow (0%)
- Black (10%)



- Cyan (23%)
- Magenta (20%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6407, 60.6347, 83.4759 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 58.6407, 60.6347, 83.4759 by changing the saturation by 10% instead.

■ 58.6407, 60.6347,
83.4759

■ 58.6407, 60.6347,
83.4759

409.4846,
426.9333, 526.5837

■ 42.5692, 43.9304,
62.0399

101.9729,
105.7498, 140.0970

■ 29.7403, 30.6158,
44.6290

129.9643,
134.9295, 176.1192

■ 19.7886, 20.3065,
30.8245

162.6597,
169.0364, 217.8406

■ 12.3489, 12.6180,
20.2079

200.4245,
208.4549, 265.6796

■ 7.0556, 7.1660,
12.3607

243.6241,
253.5695, 320.0549

■ 3.5436, 3.5662,
6.8643

292.6237,

■ 1.4473, 1.4340,

304.7645, 381.3850

3.3002

347.7887,
362.4243, 450.0884

■ 0.2895, 0.2416,
1.2499

■ 0.0000, 0.0000,
0.0202

■ 58.6407, 60.6347,
83.4759

■ 58.6407, 60.6347,
83.4759

■ 49.1642, 49.8920,
81.9028

■ 69.5099, 72.7992,
85.2520

■ 41.0178, 40.5109,
80.5214

■ 81.8202, 86.4278,
87.2337

■ 34.1419, 32.4378,
79.3255

■ 91.2831, 98.4932,
89.0639

■ 28.4703, 25.6125,
78.3071

■ 23.9304, 19.9702,
77.4573

■ 20.4415, 15.4395,
76.7666

■ 17.9113, 11.9406,
76.2246

■ 16.2297, 9.3813,
75.8193

■ 15.6087, 8.3644,
75.6557

Harmonies

Analogous

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



55.7098, 60.6347, 82.6352



58.6407, 60.6347, 83.4759



61.3918, 60.6347, 79.3424

Triad

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



58.6407, 60.6347, 83.4759



62.1124, 60.6347, 56.0289



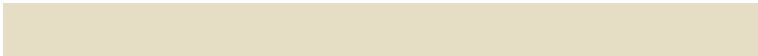
52.4237, 60.6347, 60.6099

Complementary

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



58.6407, 60.6347, 83.4759



68.7185, 73.0506, 62.7040

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.



54.0279, 60.6347, 54.2807



58.6407, 60.6347, 83.4759



59.5969, 60.6347, 51.7976

Square

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



58.6407, 60.6347, 83.4759



63.4413, 60.6347, 63.1887



56.6339, 60.6347, 51.1863



52.1876, 60.6347, 68.9364

Rectangle

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



58.6407, 60.6347, 83.4759



62.7287, 60.6347, 74.5146



56.6339, 60.6347, 51.1863



52.8182, 60.6347, 58.1984

Sweetspot

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



58.6425, 60.6372, 83.4773



88.9587, 93.2410, 107.9164



64.1807, 73.5776, 79.5767



18.8027, 19.6926, 23.0600



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.



58.6425, 60.6372, 83.4773



69.9408, 71.9259, 104.8046



59.0631, 58.1023, 82.9658



13.8568, 14.4350, 18.2002



8.9147, 4.8915, 42.8575



0.7291, 0.5021, 3.1904

Inverse Universe

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



63.2735, 60.6638, 65.5041



76.9706, 72.0722, 77.4980



68.2329, 76.0310, 63.3048



14.5153, 14.4233, 15.6481



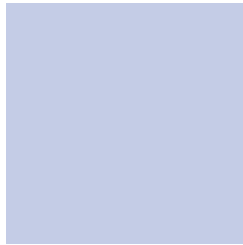
18.8932, 9.6915, 3.0668



1.4316, 0.7304, 0.4135

Previews

White Background



This preview shows how the XYZ color 58.6407, 60.6347, 83.4759 looks on a white background.

Color Contrast Check

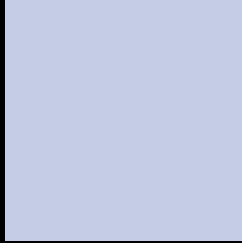
Large Text (above 18pt) WCAG AA × Fail

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 58.6407, 60.6347, 83.4759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

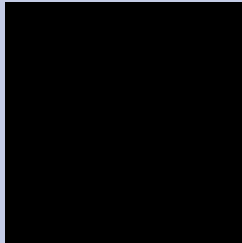
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.6407, 60.6347, 83.4759

Background



This preview shows how black text looks on a background with the XYZ color 58.6407, 60.6347, 83.4759.

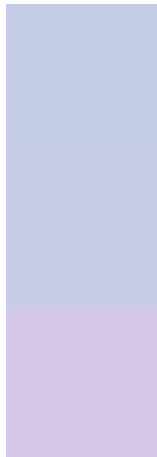


This preview shows how white text looks on a background with the XYZ color 58.6407, 60.6347,

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

58.6407, 60.6347, 83.4759

Protanopia

59.3182, 60.6484, 82.7086

Deuteranopia

61.9986, 60.6134, 84.0332



Tritanopia

57.5218, 60.5387, 77.7606

Trichromacy



Original Color

58.6407, 60.6347, 83.4759

Protanomaly

59.0520, 60.5111, 82.6962

Deuteranomaly

60.7640, 60.6646, 84.1081

Tritanomaly

57.9276, 60.7010, 79.8975

Monochromacy



Original Color

58.6407, 60.6347, 83.4759

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

58.3260, 61.0742, 72.3327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6407, 60.6347, 83.4759 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(196, 204, 230) looks like.

```
.text, #text, p{  
    color:rgb(196, 204, 230)  
}
```

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(196, 204, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 204, 230) }
```

Border

The CSS property to change the border of an element to XYZ 58.6407, 60.6347, 83.4759 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(196, 204, 230) }
```


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

```
.border{ border-color:rgb(196, 204, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 204, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 204, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 204, 230);  
box-shadow:4px 4px 4px 4px rgb(196, 204,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6407, 60.6347, 83.4759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 204, 230) }
```

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

```
.background{ background-color: rgb(196,  
204, 230) }
```

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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