

# Converting Colors

XYZ(58.4621, 58.5320, 80.1691)

Have a look what the booklet for  
XYZ(58.4621, 58.5320, 80.1691)  
contains.

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# Color

**XYZ(58.5502, 58.5757,  
80.1718)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBC6E2
RGB	203, 198, 226
RGB Percent	80%, 78%, 89%
CMY	0.2039, 0.2235, 0.1137
CMYK	0.10, 0.12, 0.00, 0.11
HSL	251°, 33%, 83%
HSV	251°, 12%, 89%
XYZ	58.5502, 58.5757, 80.1718
YIQ	202.6870, -6.0080, 9.7680

# Conversions

## Conversions Part 2

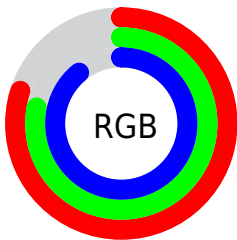
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	203, 198, 226
Decimal	13354722
CIE Lab	81.06, 7.08, -13.26
CIE LCh	81, 15.032, 298.110
Yxy	58.5757, 0.2968, 0.2969
Android (android.graphics.Color)	4291544802 (0xFFCBC6E2)
YUV	202.6870, 11.4933, 0.2745
Hunter-Lab	76.5348, 2.6192, -8.5332

# Details

The XYZ color **58.5502, 58.5757, 80.1718** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **67.2102, 73.8436, 64.1398**, and the grayscale version is **56.5029, 59.4455, 64.7361**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **29.7184, 29.2764, 42.6127** is the 20% darker color. If you saturate the color by 10%, you get **49.0083, 46.5530, 78.3550**, and if you desaturate by 10%, it is **69.4719, 72.4570, 82.2764**.

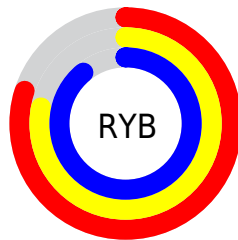
# Distribution



Red (80%)

Green (78%)

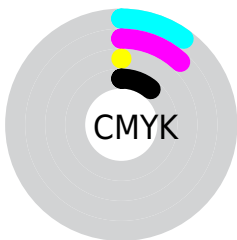
Blue (89%)



Red (80%)

Yellow (78%)

Blue (89%)

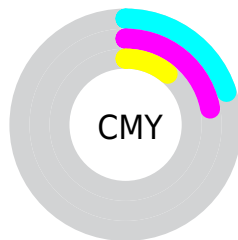


Cyan (10%)

Magenta (12%)

Yellow (0%)

Black (11%)



Cyan (20%)

Magenta (22%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5502, 58.5757, 80.1718 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 58.5502, 58.5757, 80.1718 by changing the saturation by 10% instead.



■ 58.5502, 58.5757,  
80.1718

■ 58.5502, 58.5757,  
80.1718

409.1539,  
419.3277, 515.2336

■ 42.4961, 42.2717,  
59.3327

101.8420,  
102.7607, 135.4208

■ 29.6828, 29.3141,  
42.4593

129.8105,  
131.4105, 170.6679

■ 19.7448, 19.3185,  
29.1328

162.4810,  
164.9443, 211.5547

■ 12.3169, 11.9007,  
18.9349

200.2192,  
203.7466, 258.4997

■ 7.0336, 6.6761,  
11.4469

243.3901,  
248.2016, 311.9216

■ 3.5296, 3.2604,  
6.2503

292.3594,

■ 1.4396, 1.2691,

298.6939, 372.2389

2.9266

347.4921,  
355.6078, 439.8700

■ 0.2842, 0.1171,  
1.0573

■ 0.0000, 0.0000,  
0.0000

■ 58.5502, 58.5757,  
80.1718

■ 58.5502, 58.5757,  
80.1718

■ 49.0083, 46.5530,  
78.3550

■ 69.4719, 72.4570,  
82.2764

■ 40.7856, 36.3025,  
76.8099

■ 81.8203, 88.2637,  
84.6766

■ 33.8247, 27.7419,  
75.5244

■ 90.7276, 98.2711,  
86.1388

■ 28.0621, 20.7795,  
74.4842

■ 23.4283, 15.3147,  
73.6736

■ 19.8467, 11.2355,  
73.0750

■ 17.2305, 8.4135,  
72.6682

■ 15.4782, 6.6958,  
72.4290

■ 14.6160, 5.9490,  
72.3303

# Harmonies

## Analogous

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



55.4768, 58.5757, 82.5453



58.5502, 58.5757, 80.1718



60.9270, 58.5757, 73.2965

# Triad

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



58.5502, 58.5757, 80.1718



58.9054, 58.5757, 50.2706



49.8892, 58.5757, 63.2138

# Complementary

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



58.5502, 58.5757, 80.1718



67.2102, 73.8436, 64.1398

# 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.



50.7328, 58.5757, 55.1232



58.5502, 58.5757, 80.1718



55.8726, 58.5757, 48.0971

# Square

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



58.5502, 58.5757, 80.1718



61.1374, 58.5757, 56.0188



52.8944, 58.5757, 49.7885



50.5470, 58.5757, 72.2246



# Rectangle

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



58.5502, 58.5757, 80.1718



61.7559, 58.5757, 67.3861



52.8944, 58.5757, 49.7885



50.0060, 58.5757, 60.3030

# Sweetspot

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



58.5520, 58.5782, 80.1731



88.8661, 92.1091, 107.7028



62.9626, 69.3875, 82.0270



18.7793, 19.4073, 23.0062



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.



58.5520, 58.5782, 80.1731



73.4082, 72.4968, 104.7320



62.4398, 60.5824, 80.3550



13.1791, 13.3603, 17.2719



8.4089, 3.4303, 41.2673



0.6511, 0.2729, 2.8636



# Inverse Universe

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



64.6112, 61.7799, 76.9286



82.9585, 77.5449, 99.5425



63.2166, 71.7848, 63.9529



14.1845, 13.8914, 16.7419



22.9688, 11.2545, 27.5654

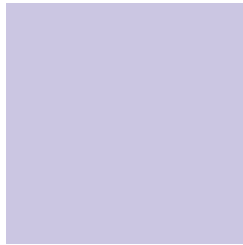


1.6199, 0.7912, 2.0572



# Previews

## White Background



This preview shows how the XYZ color 58.5502, 58.5757, 80.1718 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 58.5502, 58.5757, 80.1718 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

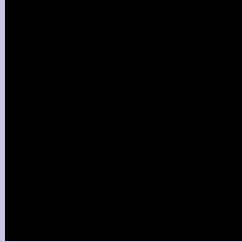
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 58.5502, 58.5757, 80.1718

## Background



This preview shows how black text looks on a background with the XYZ color 58.5502, 58.5757, 80.1718.



This preview shows how white text looks on a background with the XYZ color 58.5502, 58.5757,



# 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

58.5502, 58.5757, 80.1718

### Protanopia

57.5454, 58.7249, 80.9751

### Deuteranopia

59.7619, 58.5262, 80.0984



## Tritanopia

57.1363, 58.6839, 73.2815

# Trichromacy



## Original Color

58.5502, 58.5757, 80.1718

## Protanomaly

57.8417, 58.5350, 80.9228

## Deuteranomaly

59.4258, 58.6889, 80.1475

## Tritanomaly

57.6988, 58.5707, 75.9744

# Monochromacy



## Original Color

58.5502, 58.5757, 80.1718

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

57.2731, 59.1729, 70.0309

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5502, 58.5757, 80.1718 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(203, 198, 226)` looks like.

```
.text, #text, p{  
    color:rgb(203, 198, 226)  
}
```

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(203, 198, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 198, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5502, 58.5757, 80.1718 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(203, 198, 226) }
```



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

```
.border{ border-color:rgb(203, 198, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 198, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 198, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 198, 226);  
box-shadow:4px 4px 4px 4px rgb(203, 198,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5502, 58.5757, 80.1718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 198, 226) }
```

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

```
.background{ background-color: rgb(203,  
198, 226) }
```

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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