

Converting Colors

XYZ(58.5986, 58.8746, 81.0229)

Have a look what the booklet for
XYZ(58.5986, 58.8746, 81.0229)
contains.

XYZ(58.6457, 58.9495, 80.9605)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.6457, 58.9495,
80.9605)**

Conversions

Conversions Part 1

Format	Color
Hex	CAC7E3
RGB	202, 199, 227
RGB Percent	79%, 78%, 89%
CMY	0.2078, 0.2196, 0.1098
CMYK	0.11, 0.12, 0.00, 0.11
HSL	246°, 33%, 84%
HSV	246°, 12%, 89%
XYZ	58.6457, 58.9495, 80.9605
YIQ	203.0890, -7.2000, 9.3440

Conversions

Conversions Part 2

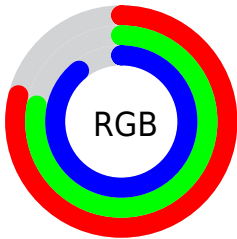
Format	Color
R _Y B	202, 199, 227
Decimal	13289443
CIE Lab	81.26, 6.43, -13.49
CIE LCh	81, 14.946, 295.463
Yxy	58.9495, 0.2954, 0.2969
Android (android.graphics.Color)	4291479523 (0xFFCAC7E3)
YUV	203.0890, 11.7881, -0.9551
Hunter-Lab	76.7786, 1.9810, -8.7744

Details

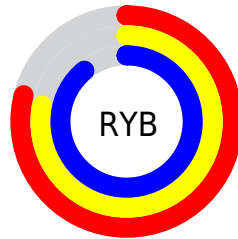
The XYZ color **58.6457, 58.9495, 80.9605** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.5205, 74.9106, 64.8835**, and the grayscale version is **56.7537, 59.7093, 65.0234**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **29.7845, 29.5253, 43.1589** is the 20% darker color. If you saturate the color by 10%, you get **48.6786, 46.6289, 79.1086**, and if you desaturate by 10%, it is **70.1158, 73.2046, 83.1084**.

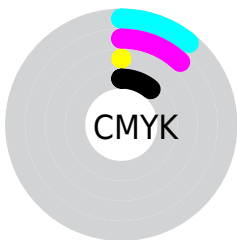
Distribution



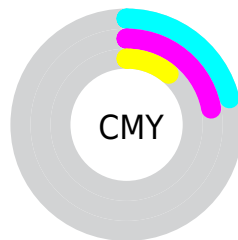
- Red (79%)
- Green (78%)
- Blue (89%)



- Red (79%)
- Yellow (78%)
- Blue (89%)



- Cyan (11%)
- Magenta (12%)
- Yellow (0%)
- Black (11%)



- Cyan (21%)
- Magenta (22%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6457, 58.9495, 80.9605 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 58.6457, 58.9495, 80.9605 by changing the saturation by 10% instead.

■ 58.6457, 58.9495,
80.9605

■ 58.6457, 58.9495,
80.9605

409.5029,
420.7147, 517.9558

■ 42.5732, 42.5725,
59.9783

101.9801,
103.3043, 136.5389

■ 29.7435, 29.5498,
42.9759

129.9728,
132.0508, 171.9721

■ 19.7911, 19.4971,
29.5350

162.6696,
165.6893, 213.0594

■ 12.3506, 12.0300,
19.2368

200.4359,
204.6041, 260.2193

■ 7.0568, 6.7641,
11.6630

243.6370,
249.1797, 313.8703

■ 3.5443, 3.3150,
6.3949

292.6383,

■ 1.4477, 1.2983,

299.8004, 374.4311

3.0140

347.8051,
356.8506, 442.3200

■ 0.2898, 0.1399,
1.1018

■ 0.0000, 0.0000,
0.0000

■ 58.6457, 58.9495,
80.9605

■ 58.6457, 58.9495,
80.9605

■ 48.6786, 46.6289,
79.1086

■ 70.1158, 73.2046,
83.1084

■ 40.1470, 36.1521,
77.5361

■ 83.1422, 89.4647,
85.5604

■ 32.9860, 27.4326,
76.2305

■ 90.8653, 98.3261,
86.8637

■ 27.1237, 20.3737,
75.1769

■ 22.4816, 14.8695,
74.3592

■ 18.9726, 10.8016,
73.7589

■ 16.4979, 8.0349,
73.3553

■ 14.9410, 6.4076,
73.1233

■ 14.2492, 5.7440,
73.0317

Harmonies

Analogous

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



55.5571, 58.9495, 82.8585



58.6457, 58.9495, 80.9605



61.1123, 58.9495, 74.4152

Triad

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



58.6457, 58.9495, 80.9605



59.4961, 58.9495, 51.0615



50.2660, 58.9495, 62.8381

Complementary

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



58.6457, 58.9495, 80.9605



68.5205, 74.9106, 64.8835

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.



51.2371, 58.9495, 54.9400



58.6457, 58.9495, 80.9605



56.5050, 58.9495, 48.5533

Square

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



58.6457, 58.9495, 80.9605



61.6159, 58.9495, 57.0868



53.4927, 58.9495, 49.9050



50.7918, 58.9495, 71.8506

Rectangle

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



58.6457, 58.9495, 80.9605



62.0326, 58.9495, 68.5905



53.4927, 58.9495, 49.9050



50.4272, 58.9495, 59.9742

Sweetspot

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



58.6475, 58.9520, 80.9618



88.6101, 91.9772, 107.6909



64.1296, 71.1086, 83.0193



18.7148, 19.3741, 23.0031



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.



58.6475, 58.9520, 80.9618



72.5701, 72.0647, 104.6928



62.5504, 60.9640, 81.1445



13.7253, 13.9606, 18.1156



8.3569, 3.3740, 42.5940



0.6659, 0.2742, 3.1498

Inverse Universe

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



65.5586, 62.5622, 79.1443



83.3861, 77.7160, 101.7941



64.4151, 72.7941, 64.6913



14.9251, 14.5872, 17.8061



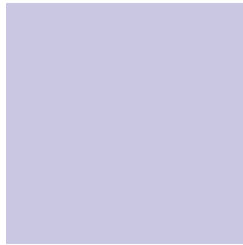
24.7670, 12.0410, 33.9974



1.8494, 0.8975, 2.6132

Previews

White Background



This preview shows how the XYZ color 58.6457, 58.9495, 80.9605 looks on a white background.

Color Contrast Check

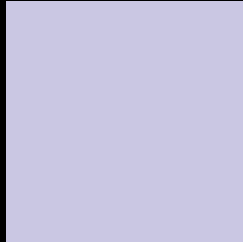
Large Text (above 18pt) WCAG AA × Fail

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 58.6457, 58.9495, 80.9605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

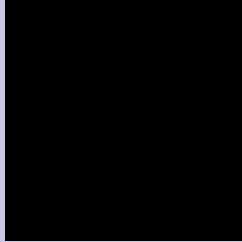
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.6457, 58.9495, 80.9605

Background



This preview shows how black text looks on a background with the XYZ color 58.6457, 58.9495, 80.9605.



This preview shows how white text looks on a background with the XYZ color 58.6457, 58.9495,

80.9605.

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

58.6457, 58.9495, 80.9605

Protanopia

57.9466, 58.9158, 81.7166

Deuteranopia

60.1259, 59.0339, 80.8987



Tritanopia

57.2304, 59.0624, 74.0295

Trichromacy



Original Color

58.6457, 58.9495, 80.9605

Protanomaly

58.2111, 59.0521, 81.7289

Deuteranomaly

59.5128, 59.0560, 80.9353

Tritanomaly

57.7928, 58.9465, 76.7384

Monochromacy



Original Color

58.6457, 58.9495, 80.9605

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

57.6328, 59.6910, 70.7713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6457, 58.9495, 80.9605 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(202, 199, 227)` looks like.

```
.text, #text, p{  
    color:rgb(202, 199, 227)  
}
```

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(202, 199, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 199, 227) }
```

Border

The CSS property to change the border of an element to XYZ 58.6457, 58.9495, 80.9605 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(202, 199, 227) }
```


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

```
.border{ border-color:rgb(202, 199, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 199, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 199, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 199, 227);  
box-shadow:4px 4px 4px 4px rgb(202, 199,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6457, 58.9495, 80.9605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 199, 227) }
```

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

```
.background{ background-color: rgb(202,  
199, 227) }
```

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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