

Converting Colors

XYZ(64.1975, 67.9871, 80.9036)

Have a look what the booklet for
XYZ(64.1975, 67.9871, 80.9036)
contains.

XYZ(64.1589, 67.9579, 80.9698)	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(64.1589, 67.9579,
80.9698)**

Conversions

Conversions Part 1

Format	Color
Hex	D0D8E1
RGB	208, 216, 225
RGB Percent	82%, 85%, 88%
CMY	0.1843, 0.1529, 0.1176
CMYK	0.08, 0.04, 0.00, 0.12
HSL	212°, 22%, 85%
HSV	212°, 8%, 88%
XYZ	64.1589, 67.9579, 80.9698
YIQ	214.6340, -7.6570, 1.1030

Conversions

Conversions Part 2

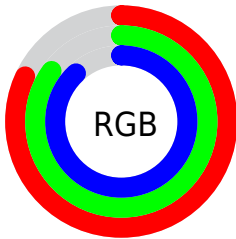
Format	Color
R _Y B	208, 213, 225
Decimal	13687009
CIE Lab	85.99, -0.98, -5.36
CIE LCh	86, 5.450, 259.591
Yxy	67.9579, 0.3011, 0.3189
Android (android.graphics.Color)	4291877089 (0xFFD0D8E1)
YUV	214.6340, 5.1104, -5.8180
Hunter-Lab	82.4366, -5.3407, -0.5295

Details

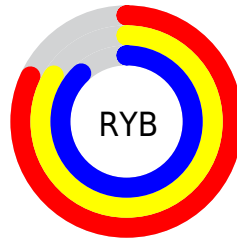
The XYZ color **64.1589, 67.9579, 80.9698** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.2496, 70.1867, 69.6786**, and the grayscale version is **64.3158, 67.6652, 73.6874**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3270, 35.2620, 43.0799** is the 20% darker color. If you saturate the color by 10%, you get **55.3357, 59.0453, 79.7156**, and if you desaturate by 10%, it is **74.1045, 77.7811, 82.3427**.

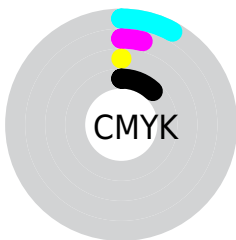
Distribution



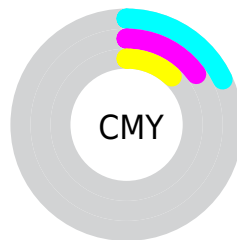
- Red (82%)
- Green (85%)
- Blue (88%)



- Red (82%)
- Yellow (84%)
- Blue (88%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)



- Cyan (18%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1589, 67.9579, 80.9698 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 64.1589, 67.9579, 80.9698 by changing the saturation by 10% instead.

■ 64.1589, 67.9579,
80.9698

■ 64.1589, 67.9579,
80.9698

429.3564,
453.3468, 517.9878

■ 47.0415, 49.8635,
59.9859

109.9122,
116.2919, 136.5521

■ 33.2766, 35.3049,
42.9820

139.2789,
147.3003, 171.9875

■ 22.4987, 23.8979,
29.5397

173.4593,
183.3821, 213.0771

■ 14.3424, 15.2579,
19.2404

212.8190,
224.9218, 260.2395

■ 8.4425, 9.0006,
11.6655

257.7232,
272.3037, 313.8933

■ 4.4335, 4.7416,
6.3966

308.5372,

■ 1.9502, 2.0964,

325.9123, 374.4569

3.0150

365.6265,
386.1318, 442.3489

■ 0.6058, 0.6626,
1.1023

■ 0.0000, 0.0000,
0.0000

■ 64.1589, 67.9579,
80.9698

■ 64.1589, 67.9579,
80.9698

■ 55.3357, 59.0453,
79.7156

■ 74.1045, 77.7811,
82.3427

■ 47.5868, 51.0059,
78.5722

■ 85.2066, 88.5334,
83.8330

■ 40.8691, 43.8123,
77.5378

■ 89.5555, 96.1458,
85.0731

■ 35.1343, 37.4321,
76.6085

■ 90.5908, 98.2163,
85.4182

■ 30.3295, 31.8305,
75.7806

■ 26.3970, 26.9697,
75.0496

■ 23.2712, 22.8076,
74.4110

■ 20.8763, 19.2964,
73.8595

■ 19.1111, 16.3748,
73.3886

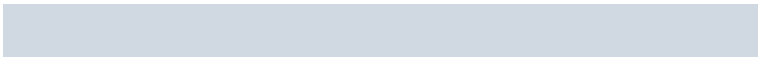
Harmonies

Analogous

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



63.0472, 67.9579, 79.3580



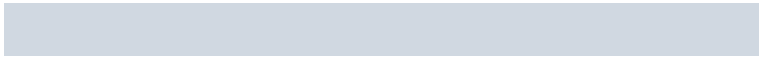
64.1589, 67.9579, 80.9698



65.4008, 67.9579, 80.6674

Triad

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



64.1589, 67.9579, 80.9698



66.8817, 67.9579, 71.7115



62.7799, 67.9579, 69.6237

Complementary

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



64.1589, 67.9579, 80.9698



67.2496, 70.1867, 69.6786

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.



63.7898, 67.9579, 67.7003



64.1589, 67.9579, 80.9698



66.1618, 67.9579, 68.8785

Square

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



64.1589, 67.9579, 80.9698



66.9837, 67.9579, 75.2446



65.0269, 67.9579, 67.4320



62.2579, 67.9579, 72.7586

Rectangle

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



64.1589, 67.9579, 80.9698



66.1351, 67.9579, 79.4241



65.0269, 67.9579, 67.4320



63.0730, 67.9579, 68.8184

Sweetspot

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



64.1609, 67.9608, 80.9713



92.3435, 97.3356, 108.5284



65.4349, 72.2599, 75.9978



19.7937, 20.8618, 23.2334



0.0000, 0.0000, 0.0000



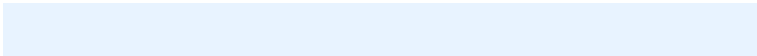
20.3446, 21.4041, 23.3091

Same Dimension

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



64.1609, 67.9608, 80.9713



83.3520, 88.3984, 107.2772



62.2398, 64.0002, 80.3081



13.4815, 14.3021, 17.4377



10.9122, 9.2939, 42.2671



0.8455, 0.8224, 2.9594

Inverse Universe

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



66.0034, 66.0785, 74.2448



86.2664, 85.4637, 96.6283



69.2745, 74.3676, 70.3789



13.9745, 13.8074, 15.6358



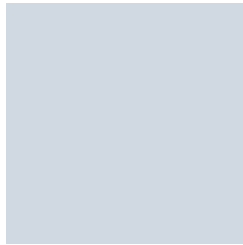
19.4482, 9.8463, 9.0258



1.3930, 0.7005, 0.8624

Previews

White Background



This preview shows how the XYZ color 64.1589, 67.9579, 80.9698 looks on a white background.

Color Contrast Check

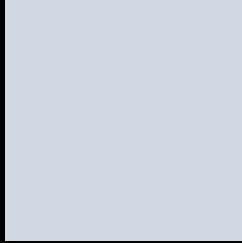
Large Text (above 18pt) WCAG AA × Fail

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 64.1589, 67.9579, 80.9698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

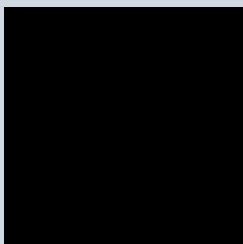
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

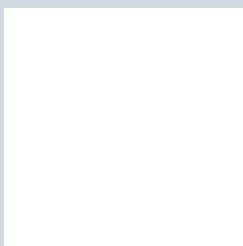
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1589, 67.9579, 80.9698

Background



This preview shows how black text looks on a background with the XYZ color 64.1589, 67.9579, 80.9698.

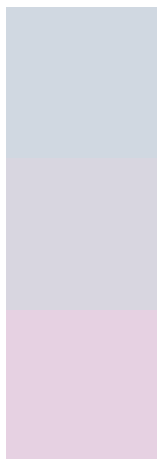


This preview shows how white text looks on a background with the XYZ color 64.1589, 67.9579,

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

64.1589, 67.9579, 80.9698

Protanopia

65.8200, 68.0739, 80.1915

Deuteranopia

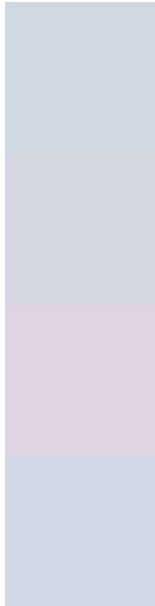
69.1611, 67.9149, 81.4152



Tritanopia

65.1604, 67.9824, 86.0315

Trichromacy



Original Color

64.1589, 67.9579, 80.9698

Protanomaly

65.1956, 68.1288, 80.2350

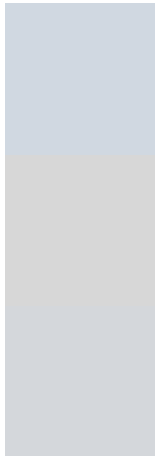
Deuteranomaly

67.3952, 68.1075, 81.5455

Tritanomaly

64.7378, 67.8133, 83.8060

Monochromacy



Original Color

64.1589, 67.9579, 80.9698

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.2380, 67.7124, 76.7019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1589, 67.9579, 80.9698 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(208, 216, 225) looks like.

```
.text, #text, p{  
    color:rgb(208, 216, 225)  
}
```

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(208, 216, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 216, 225) }
```

Border

The CSS property to change the border of an element to XYZ 64.1589, 67.9579, 80.9698 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(208, 216, 225) }
```


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

```
.border{ border-color:rgb(208, 216, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 216, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 216, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 216, 225);  
box-shadow:4px 4px 4px 4px rgb(208, 216,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1589, 67.9579, 80.9698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 216, 225) }
```

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

```
.background{ background-color: rgb(208,  
216, 225) }
```

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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