

Converting Colors

XYZ(67.7205, 65.8088, 81.6440)

Have a look what the booklet for
XYZ(67.7205, 65.8088, 81.6440)
contains.

XYZ(67.6914, 65.7027, 81.7872)	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(67.6914, 65.7027,
81.7872)**

Conversions

Conversions Part 1

Format	Color
Hex	E4CDE3
RGB	228, 205, 227
RGB Percent	89%, 80%, 89%
CMY	0.1059, 0.1961, 0.1098
CMYK	0.00, 0.10, 0.00, 0.11
HSL	303°, 30%, 85%
HSV	303°, 10%, 89%
XYZ	67.6914, 65.7027, 81.7872
YIQ	214.3850, 6.6460, 11.7180

Conversions

Conversions Part 2

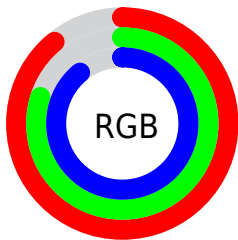
Format	Color
R _Y B	228, 205, 227
Decimal	14994915
CIE Lab	84.84, 11.84, -7.93
CIE LCh	85, 14.252, 326.169
Yxy	65.7027, 0.3146, 0.3053
Android (android.graphics.Color)	4293184995 (0xFFE4CDE3)
YUV	214.3850, 6.2192, 11.9404
Hunter-Lab	81.0572, 7.2164, -3.0839

Details

The XYZ color **67.6914, 65.7027, 81.7872** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.0634, 72.9241, 69.0953**, and the grayscale version is **64.1337, 67.4737, 73.4788**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7466, 33.9960, 43.7076** is the 20% darker color. If you saturate the color by 10%, you get **62.4942, 55.5257, 79.3821**, and if you desaturate by 10%, it is **73.6880, 77.4751, 84.4642**.

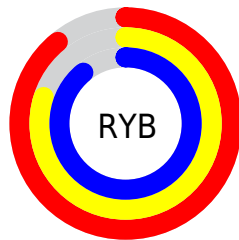
Distribution



Red (89%)

Green (80%)

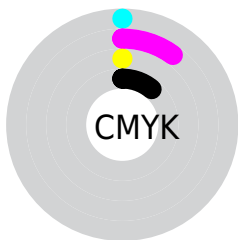
Blue (89%)



Red (89%)

Yellow (80%)

Blue (89%)

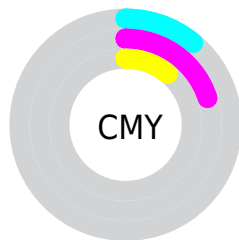


Cyan (0%)

Magenta (10%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (20%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6914, 65.7027, 81.7872 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 67.6914, 65.7027, 81.7872 by changing the saturation by 10% instead.

67.6914, 65.7027,
81.7872

67.6914, 65.7027,
81.7872

441.7957,
445.3129, 520.8004

49.9195, 48.0311,
60.6554

114.9549,
113.0595, 137.7095

35.5670, 33.8515,
43.5183

145.1772,
143.5135, 173.3371

24.2685, 22.7796,
29.9576

180.2803,
178.9971, 214.6337

15.6587, 14.4308,
19.5546

220.6296,
219.8947, 262.0178

9.3723, 8.4209,
11.8909

266.5904,
266.5907, 315.9080

5.0438, 4.3654,
6.5478

318.5282,

2.3080, 1.8800,

319.4695, 376.7228

3.1068

376.8081,
378.9154, 444.8807

■ 0.7988, 0.5363,
1.1494

■ 0.0000, 0.0000,
0.0000

■ 67.6914, 65.7027,
81.7872

■ 67.6914, 65.7027,
81.7872

■ 62.4942, 55.5257,
79.3821

■ 73.6880, 77.4751,
84.4642

■ 58.0564, 46.8672,
77.2333

■ 80.5103, 90.8987,
87.4195

■ 54.3431, 39.6566,
75.3299

■ 82.0351, 93.7261,
88.6129

■ 51.3146, 33.8144,
73.6586

■ 82.1748, 93.7820,
89.3485

48.9274, 29.2534,
72.2049

82.3152, 93.8382,
90.0883

47.1328, 25.8764,
70.9526

82.4565, 93.8947,
90.8323

45.8754, 23.5724,
69.8832

82.5986, 93.9515,
91.5805

45.0891, 22.2094,
68.9747

82.7415, 94.0087,
92.3328

44.6613, 21.5606,
68.1951

82.8851, 94.0661,
93.0894

Harmonies

Analogous

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



65.1969, 65.7027, 88.5182



67.6914, 65.7027, 81.7872



68.7802, 65.7027, 72.7208

Triad

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



67.6914, 65.7027, 81.7872



62.8597, 65.7027, 55.3825



57.0960, 65.7027, 79.5817

Complementary

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



67.6914, 65.7027, 81.7872



64.0634, 72.9241, 69.0953

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.



56.5177, 65.7027, 70.3702



67.6914, 65.7027, 81.7872



59.7783, 65.7027, 56.8831

Square

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



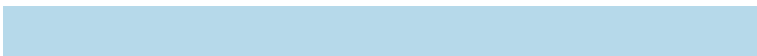
67.6914, 65.7027, 81.7872



65.9312, 65.7027, 57.8978



57.4835, 65.7027, 62.1849



59.0906, 65.7027, 87.1705

Rectangle

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



67.6914, 65.7027, 81.7872



68.5359, 65.7027, 66.7509



57.4835, 65.7027, 62.1849



56.7325, 65.7027, 76.5509

Sweetspot

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



67.6933, 65.7055, 81.7886



92.6044, 95.1944, 107.8207



61.2267, 62.3559, 82.2089



19.6847, 20.1076, 23.0175



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.



67.6933, 65.7055, 81.7886



85.8397, 81.9211, 104.7764



66.1887, 65.1037, 73.8653



14.9666, 14.6038, 18.0246



25.8006, 12.4544, 39.4402



1.9150, 0.9237, 2.9590

Inverse Universe

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



67.6933, 65.7055, 81.7886



85.8397, 81.9211, 104.7764



65.4817, 73.4914, 76.5639



14.9666, 14.6038, 18.0246



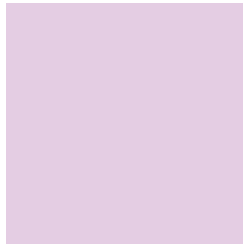
25.8006, 12.4544, 39.4402



1.9150, 0.9237, 2.9590

Previews

White Background



This preview shows how the XYZ color 67.6914, 65.7027, 81.7872 looks on a white background.

Color Contrast Check

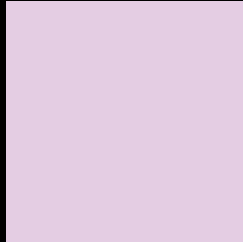
Large Text (above 18pt) WCAG AA × Fail

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 67.6914, 65.7027, 81.7872 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 67.6914, 65.7027, 81.7872

Background



This preview shows how black text looks on a background with the XYZ color 67.6914, 65.7027, 81.7872.



This preview shows how white text looks on a background with the XYZ color 67.6914, 65.7027,

81.7872.

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

67.6914, 65.7027, 81.7872

Protanopia

64.1555, 66.0033, 84.2215

Deuteranopia

67.3005, 65.8574, 81.8377



Tritanopia

66.9347, 65.7474, 78.2699

Trichromacy



Original Color

67.6914, 65.7027, 81.7872

Protanomaly

65.5586, 66.0098, 83.4146

Deuteranomaly

67.6150, 66.0196, 81.8524

Tritanomaly

67.2044, 65.8553, 79.6903

Monochromacy



Original Color

67.6914, 65.7027, 81.7872

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.2939, 66.7631, 76.4630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6914, 65.7027, 81.7872 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(228, 205, 227)` looks like.

```
.text, #text, p{  
    color:rgb(228, 205, 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(228, 205, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 205, 227) }
```

Border

The CSS property to change the border of an element to XYZ 67.6914, 65.7027, 81.7872 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(228, 205, 227) }
```


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

```
.border{ border-color:rgb(228, 205, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 205, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 205, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 205, 227);  
box-shadow:4px 4px 4px 4px rgb(228, 205,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6914, 65.7027, 81.7872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 205, 227) }
```

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

```
.background{ background-color: rgb(228,  
205, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor