

Converting Colors

XYZ(68.6088, 64.7639, 84.7341)

Have a look what the booklet for
XYZ(68.6088, 64.7639, 84.7341)
contains.

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Color

**XYZ(68.5892, 64.6986,
84.4743)**

Conversions

Conversions Part 1

Format	Color
Hex	E8C9E7
RGB	232, 201, 231
RGB Percent	91%, 79%, 91%
CMY	0.0902, 0.2117, 0.0941
CMYK	0.00, 0.13, 0.00, 0.09
HSL	302°, 40%, 85%
HSV	302°, 13%, 91%
XYZ	68.5892, 64.6986, 84.4743
YIQ	213.6890, 8.8460, 15.9020

Conversions

Conversions Part 2

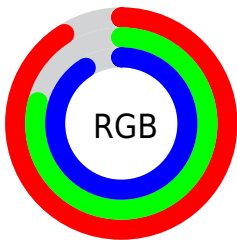
Format	Color
R _Y B	232, 201, 231
Decimal	15256039
CIE Lab	84.33, 16.03, -10.79
CIE LCh	84, 19.326, 326.044
Yxy	64.6986, 0.3150, 0.2971
Android (android.graphics.Color)	4293446119 (0xFFE8C9E7)
YUV	213.6890, 8.5343, 16.0587
Hunter-Lab	80.4354, 11.4491, -5.9623

Details

The XYZ color **68.5892, 64.6986, 84.4743** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **63.6072, 74.3970, 66.8883**, and the grayscale version is **63.6495, 66.9642, 72.9240**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0761, 33.1927, 45.0629** is the 20% darker color. If you saturate the color by 10%, you get **63.4793, 54.6467, 82.2510**, and if you desaturate by 10%, it is **74.5202, 76.3899, 86.9750**.

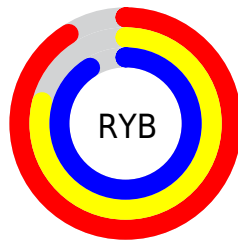
Distribution



Red (91%)

Green (79%)

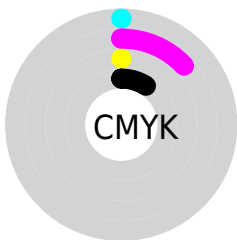
Blue (91%)



Red (91%)

Yellow (79%)

Blue (91%)

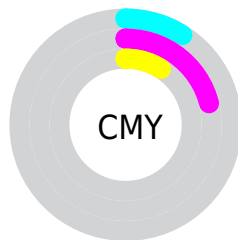


Cyan (0%)

Magenta (13%)

Yellow (0%)

Black (9%)



Cyan (9%)

Magenta (21%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5892, 64.6986, 84.4743 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 68.5892, 64.6986, 84.4743 by changing the saturation by 10% instead.

68.5892, 64.6986,
84.4743

68.5892, 64.6986,
84.4743

444.9248,
441.7081, 529.9861

50.6526, 47.2167,
62.8595

116.2319,
111.6164, 141.5061

36.1522, 33.2070,
45.2872

146.6688,
141.8212, 177.7601

24.7224, 22.2851,
31.3391

182.0032,
177.0357, 219.7309

15.9980, 14.0665,
20.5966

222.6004,
217.6443, 267.8371

9.6136, 8.1669,
12.6411

268.8258,
264.0314, 322.4972

5.2038, 4.2020,
7.0541

321.0448,

2.4033, 1.7872,

316.5815, 384.1297

3.4170

379.6227,
375.6789, 453.1531

■ 0.8468, 0.4792,
1.3113

■ 0.0000, 0.0000,
0.0710

■ 68.5892, 64.6986,
84.4743

■ 68.5892, 64.6986,
84.4743

■ 63.4793, 54.6467,
82.2510

■ 74.5202, 76.3899,
86.9750

■ 59.1482, 46.1528,
80.2888

■ 81.3007, 89.7805,
89.7604

■ 55.5587, 39.1411,
78.5760

■ 83.7827, 94.5735,
91.1152

■ 52.6678, 33.5262,
77.0983

■ 83.8901, 94.6164,
91.6807

50.4288, 29.2140,
75.8401

83.9979, 94.6596,
92.2486

48.7886, 26.0990,
74.7838

84.1062, 94.7029,
92.8188

47.6863, 24.0590,
73.9090

84.2150, 94.7464,
93.3915

47.0479, 22.9461,
73.1910

84.3242, 94.7901,
93.9666

46.8036, 22.5658,
72.7753

84.4338, 94.8339,
94.5441

Harmonies

Analogous

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



65.1854, 64.6986, 93.8604



68.5892, 64.6986, 84.4743



70.0910, 64.6986, 72.0874

Triad

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



68.5892, 64.6986, 84.4743



62.0646, 64.6986, 49.4184



54.3802, 64.6986, 81.3295

Complementary

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



68.5892, 64.6986, 84.4743



63.6072, 74.3970, 66.8883

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.



53.6305, 64.6986, 68.8293



68.5892, 64.6986, 84.4743



57.9448, 64.6986, 51.2900

Square

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



68.5892, 64.6986, 84.4743



66.2150, 64.6986, 52.6197



54.9059, 64.6986, 58.0633



57.0031, 64.6986, 91.9017

Rectangle

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



68.5892, 64.6986, 84.4743



69.7626, 64.6986, 64.1196



54.9059, 64.6986, 58.0633



53.9062, 64.6986, 77.1749

Sweetspot

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



68.5911, 64.7014, 84.4757



91.8290, 93.6427, 107.5650



59.6815, 60.0920, 84.7986



19.5296, 19.7957, 22.9710



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.



68.5911, 64.7014, 84.4757



83.1759, 76.5899, 103.8995



66.5601, 63.8890, 73.7806



14.9740, 14.6068, 18.0633



25.9926, 12.5312, 40.4514



1.9271, 0.9286, 3.0227

Inverse Universe

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



68.5911, 64.7014, 84.4757



83.1759, 76.5899, 103.8995



65.4729, 75.1432, 76.7126



14.9740, 14.6068, 18.0633



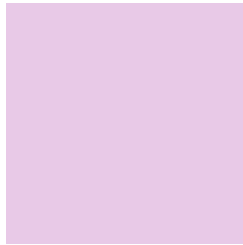
25.9926, 12.5312, 40.4514



1.9271, 0.9286, 3.0227

Previews

White Background



This preview shows how the XYZ color 68.5892, 64.6986, 84.4743 looks on a white background.

Color Contrast Check

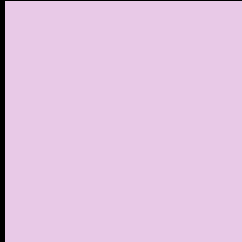
Large Text (above 18pt) WCAG AA × Fail

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 68.5892, 64.6986, 84.4743 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 68.5892, 64.6986, 84.4743

Background



This preview shows how black text looks on a background with the XYZ color 68.5892, 64.6986, 84.4743.



This preview shows how white text looks on a background with the XYZ color 68.5892, 64.6986,

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

68.5892, 64.6986, 84.4743

Protanopia

63.6729, 64.9225, 88.5322

Deuteranopia

66.2385, 64.9054, 83.8998



Tritanopia

66.7752, 64.6493, 75.9770

Trichromacy



Original Color

68.5892, 64.6986, 84.4743

Protanomaly

65.2415, 64.6821, 86.8882

Deuteranomaly

67.2398, 65.0677, 83.8783

Tritanomaly

67.3948, 64.5577, 78.7208

Monochromacy



Original Color

68.5892, 64.6986, 84.4743

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.5375, 66.1404, 77.0223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5892, 64.6986, 84.4743 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(232, 201, 231)` looks like.

```
.text, #text, p{  
    color:rgb(232, 201, 231)  
}
```

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(232, 201, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 201, 231) }
```

Border

The CSS property to change the border of an element to XYZ 68.5892, 64.6986, 84.4743 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(232, 201, 231) }
```


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

```
.border{ border-color:rgb(232, 201, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 201, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 201, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 201, 231);  
box-shadow:4px 4px 4px 4px rgb(232, 201,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5892, 64.6986, 84.4743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 201, 231) }
```

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

```
.background{ background-color: rgb(232,  
201, 231) }
```

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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