

Converting Colors

XYZ(79.8236, 63.1060, 84.7654)

Have a look what the booklet for
XYZ(79.8236, 63.1060, 84.7654)
contains.

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Color

**XYZ(71.8684, 58.9840,
84.6880)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB2E9
RGB	255, 178, 233
RGB Percent	100%, 70%, 91%
CMY	0.0000, 0.3019, 0.0863
CMYK	0.00, 0.30, 0.09, 0.00
HSL	317°, 100%, 85%
HSV	317°, 30%, 100%
XYZ	71.8684, 58.9840, 84.6880
YIQ	207.2930, 28.2370, 33.4290

Conversions

Conversions Part 2

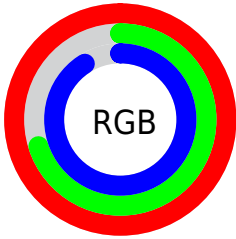
Format	Color
R_{YB}	255, 178, 233
Decimal	16757481
CIE _{Lab}	81.28, 36.19, -16.20
CIE _{LCh}	81, 39.653, 335.887
Yxy	58.9840, 0.3334, 0.2737
Android (android.graphics.Color)	4294947561 (0xFFFFB2E9)
YUV	207.2930, 12.6736, 41.8390
Hunter-Lab	76.8010, 32.6338, -11.6180

Details

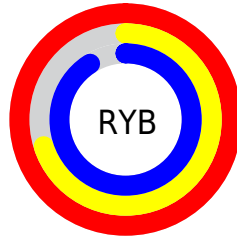
The XYZ color **71.8684, 58.9840, 84.6880** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.5474, 85.1560, 67.6813**, and the grayscale version is **59.4064, 62.5002, 68.0627**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **38.1694, 29.4599, 45.2696** is the 20% darker color. If you saturate the color by 10%, you get **66.2389, 49.3564, 77.7824**, and if you desaturate by 10%, it is **78.4865, 70.5196, 92.1368**.

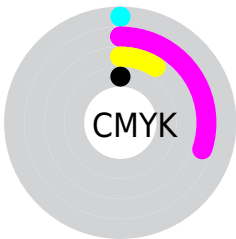
Distribution



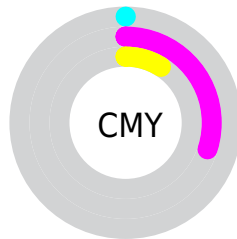
- Red (100%)
- Green (70%)
- Blue (91%)



- Red (100%)
- Yellow (70%)
- Blue (91%)



- Cyan (0%)
- Magenta (30%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (30%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.8684, 58.9840, 84.6880 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 71.8684, 58.9840, 84.6880 by changing the saturation by 10% instead.


 71.8684, 58.9840,
84.6880

 71.8684, 58.9840,
84.6880


456.2482,
420.8426, 530.7127

 53.3363, 42.6002,
63.0349


 120.8812,
103.3544, 141.8075

 38.2998, 29.5716,
45.4283


152.0926,
132.1098, 178.1110

 26.3937, 19.5136,
31.4495


188.2611,
165.7580, 220.1350

 17.2527, 12.0420,
20.6801

229.7522,
204.6832, 268.2982

 10.5112, 6.7723,
12.7014

276.9310,
249.2698, 323.0190

 5.8041, 3.3201,
7.0949

330.1631,

 2.7658, 1.3010,

299.9024, 384.7160

3.4422

389.8137,
356.9652, 453.8078

■ 1.0312, 0.1420,
1.3246

■ 0.0000, 0.0000,
0.0818

■ 71.8684, 58.9840,
84.6880

■ 71.8684, 58.9840,
84.6880

■ 66.2389, 49.3564,
77.7824

■ 78.4865, 70.5196,
92.1368

■ 61.5413, 41.5248,
71.3961

■ 86.1380, 84.0528,
100.1438

■ 57.7188, 35.3763,
65.5085

94.8699, 99.6761,
108.7279

■ 54.7068, 30.7825,
60.0954

95.0500, 100.0000,
108.9000

■ 52.4314, 27.5963,
55.1295

■ 50.8041, 25.6421,
50.5786

■ 49.6981, 24.6432,
46.4696

Harmonies

Analogous

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



65.9119, 58.9840, 108.6469



71.8684, 58.9840, 84.6880



73.4182, 58.9840, 59.6644

Triad

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



71.8684, 58.9840, 84.6880



54.4471, 58.9840, 28.7339



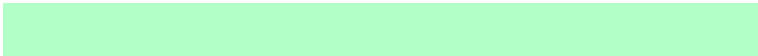
44.1389, 58.9840, 94.7952

Complementary

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



71.8684, 58.9840, 84.6880



64.5474, 85.1560, 67.6813

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.



41.6832, 58.9840, 69.0092



71.8684, 58.9840, 84.6880



47.2467, 58.9840, 33.9371

Square

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



71.8684, 58.9840, 84.6880



62.8146, 58.9840, 30.9744



42.7626, 58.9840, 47.3539



49.8125, 58.9840, 115.4152

Rectangle

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



71.8684, 58.9840, 84.6880



71.6232, 58.9840, 46.3189



42.7626, 58.9840, 47.3539



42.9365, 58.9840, 86.2334

Sweetspot

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



71.8697, 58.9864, 84.6892



87.1227, 85.8062, 101.1378



57.7432, 51.3179, 101.4697



18.3914, 17.9095, 21.3886



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.



71.8697, 58.9864, 84.6892



68.4836, 53.1698, 80.6143



66.9767, 57.0292, 58.9227



18.5584, 18.2067, 21.5575



26.0359, 12.9037, 24.6373



2.5822, 1.2752, 2.6470

Inverse Universe

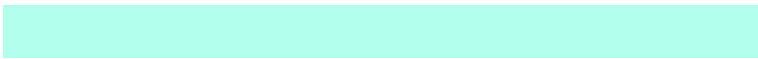
The Inverse Universe completely reimagines the original color for something new.



71.8697, 58.9864, 84.6892



68.4836, 53.1698, 80.6143



69.6009, 87.1774, 94.2926



18.5584, 18.2067, 21.5575



26.0359, 12.9037, 24.6373



2.5822, 1.2752, 2.6470

Previews

White Background



This preview shows how the XYZ color 71.8684, 58.9840, 84.6880 looks on a white background.

Color Contrast Check

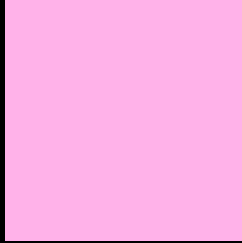
Large Text (above 18pt) WCAG AA × Fail

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 71.8684, 58.9840, 84.6880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

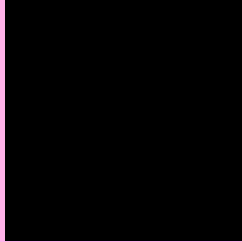
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.8684, 58.9840, 84.6880

Background



This preview shows how black text looks on a background with the XYZ color 71.8684, 58.9840, 84.6880.



This preview shows how white text looks on a background with the XYZ color 71.8684, 58.9840,

84.6880.

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

71.8684, 58.9840, 84.6880

Protanopia

59.0834, 59.1622, 97.1124

Deuteranopia

60.4036, 59.1450, 82.3612



Tritanopia

67.1172, 58.8674, 61.2512

Trichromacy



Original Color

71.8684, 58.9840, 84.6880



Protanomaly

62.7589, 58.4665, 92.7714



Deuteranomaly

64.0604, 58.7088, 82.8185



Tritanomaly

68.6307, 58.8545, 69.3708

Monochromacy



Original Color

71.8684, 58.9840, 84.6880



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

62.8751, 60.2850, 73.2880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8684, 58.9840, 84.6880 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(255, 178, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 233)  
}
```

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(255, 178, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 233) }
```

Border

The CSS property to change the border of an element to XYZ 71.8684, 58.9840, 84.6880 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(255, 178, 233) }
```


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

```
.border{ border-color:rgb(255, 178, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8684, 58.9840, 84.6880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 233) }
```

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

```
.background{ background-color: rgb(255,  
178, 233) }
```

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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