

Converting Colors

XYZ(68.2233, 56.5522, 86.2624)

Have a look what the booklet for
XYZ(68.2233, 56.5522, 86.2624)
contains.

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Color

**XYZ(68.1769, 56.4613,
85.9021)**

Conversions

Conversions Part 1

Format	Color
Hex	F5B0EB
RGB	245, 176, 235
RGB Percent	96%, 69%, 92%
CMY	0.0392, 0.3098, 0.0784
CMYK	0.00, 0.28, 0.04, 0.04
HSL	309°, 78%, 83%
HSV	309°, 28%, 96%
XYZ	68.1769, 56.4613, 85.9021
YIQ	203.3570, 22.1850, 32.9770

Conversions

Conversions Part 2

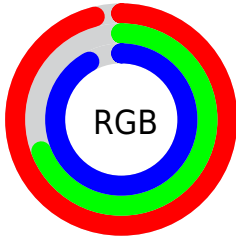
Format	Color
R _Y B	245, 176, 235
Decimal	16101611
CIE Lab	79.88, 34.32, -19.50
CIE LCh	80, 39.475, 330.395
Yxy	56.4613, 0.3238, 0.2682
Android (android.graphics.Color)	4294291691 (0xFFFF5B0EB)
YUV	203.3570, 15.6000, 36.5209
Hunter-Lab	75.1407, 30.4608, -15.1828

Details

The XYZ color **68.1769, 56.4613, 85.9021** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **59.4221, 78.0818, 58.3970**, and the grayscale version is **56.8858, 59.8483, 65.1748**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **35.9587, 28.1120, 46.1787** is the 20% darker color. If you saturate the color by 10%, you get **63.2923, 47.5040, 81.7683**, and if you desaturate by 10%, it is **73.9421, 67.1615, 90.3812**.

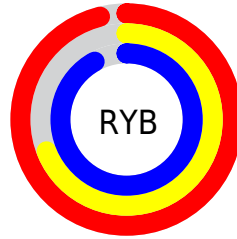
Distribution



Red (96%)

Green (69%)

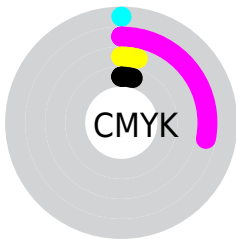
Blue (92%)



Red (96%)

Yellow (69%)

Blue (92%)

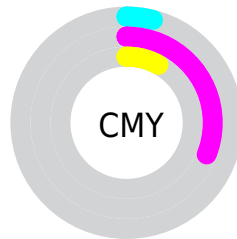


Cyan (0%)

Magenta (28%)

Yellow (4%)

Black (4%)



Cyan (4%)


Magenta (31%)


Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1769, 56.4613, 85.9021 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 68.1769, 56.4613, 85.9021 by changing the saturation by 10% instead.


 68.1769, 56.4613,
85.9021

 68.1769, 56.4613,
85.9021


443.4894,
411.4276, 534.8306

 50.3159, 40.5729,
64.0326


 115.6457, 99.6787,
143.5182

 35.8833, 27.9855,
46.2307


145.9842,
127.7765, 180.1019

 24.5137, 18.3147,
32.0779


181.2125,
160.7129, 222.4273

 15.8419, 11.1762,
21.1557

221.6960,
198.8723, 270.9131

 9.5025, 6.1855,
13.0455

267.8001,
242.6391, 325.9778

 5.1301, 2.9582,
7.3288

319.8902,

 2.3593, 1.1099,

292.3976, 388.0399

3.5870

378.3315,
348.5324, 457.5180

■ 0.8248, 0.0000,
1.4016

■ 0.0000, 0.0000,
0.1430

■ 68.1769, 56.4613,
85.9021

■ 68.1769, 56.4613,
85.9021

■ 63.2923, 47.5040,
81.7683

■ 73.9421, 67.1615,
90.3812

■ 59.2363, 40.1887,
77.9604

■ 80.6260, 79.6833,
95.2166

■ 55.9596, 34.4158,
74.4622

■ 88.2705, 94.1099,
100.4234

■ 53.4055, 30.0719,
71.2545

■ 90.5476, 97.7851,
103.8925

■ 51.5093, 27.0278,
68.3155

■ 91.1075, 98.0090,
106.8408

■ 50.1948, 25.1311,
65.6194

■ 91.4666, 98.1527,
108.7323

■ 49.3563, 24.1708,
63.1308

■ 49.2262, 24.0405,
62.6865

Harmonies

Analogous

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



61.8279, 56.4613, 107.8284



68.1769, 56.4613, 85.9021



70.5586, 56.4613, 61.1733

Triad

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



68.1769, 56.4613, 85.9021



53.5587, 56.4613, 27.1150



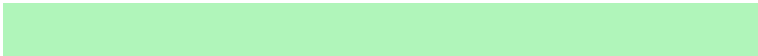
41.4629, 56.4613, 86.5619

Complementary

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



68.1769, 56.4613, 85.9021



59.4221, 78.0818, 58.3970

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.



39.7088, 56.4613, 61.7812



68.1769, 56.4613, 85.9021



46.2538, 56.4613, 30.7753

Square

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



68.1769, 56.4613, 85.9021



61.6260, 56.4613, 30.5840



41.3736, 56.4613, 42.1850



46.4205, 56.4613, 108.2711

Rectangle

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



68.1769, 56.4613, 85.9021



69.4083, 56.4613, 47.3699



41.3736, 56.4613, 42.1850



40.5024, 56.4613, 78.1384

Sweetspot

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



68.1786, 56.4638, 85.9033



88.4115, 87.4789, 104.3567



52.0652, 47.9853, 92.9052



18.6728, 18.2524, 22.1600



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.



68.1786, 56.4638, 85.9033



71.3903, 55.8131, 91.3567



63.7615, 54.6970, 62.6430



17.1043, 16.7246, 20.2958



26.5589, 12.9670, 33.9811



2.3619, 1.1507, 3.1322

Inverse Universe

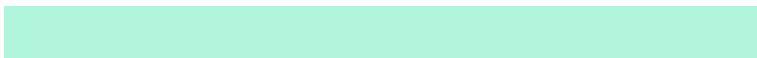
The Inverse Universe completely reimagines the original color for something new.



68.1786, 56.4638, 85.9033



71.3903, 55.8131, 91.3567



63.4375, 79.6879, 79.5418



17.1043, 16.7246, 20.2958



26.5589, 12.9670, 33.9811



2.3619, 1.1507, 3.1322

Previews

White Background



This preview shows how the XYZ color 68.1769, 56.4613, 85.9021 looks on a white background.

Color Contrast Check

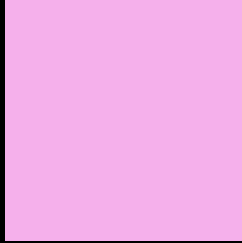
Large Text (above 18pt) WCAG AA × Fail

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 68.1769, 56.4613, 85.9021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

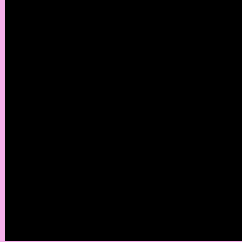
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1769, 56.4613, 85.9021

Background



This preview shows how black text looks on a background with the XYZ color 68.1769, 56.4613, 85.9021.



This preview shows how white text looks on a background with the XYZ color 68.1769, 56.4613,

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

68.1769, 56.4613, 85.9021

Protanopia

57.0885, 56.7585, 97.5691

Deuteranopia

58.2144, 56.9663, 84.2713



Tritanopia

62.9467, 56.4235, 60.3965

Trichromacy



Original Color

68.1769, 56.4613, 85.9021



Protanomaly

60.2589, 56.1922, 93.2582



Deuteranomaly

61.3917, 56.3293, 84.7277



Tritanomaly

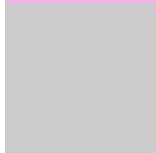
64.6971, 56.2229, 69.0702

Monochromacy



Original Color

68.1769, 56.4613, 85.9021



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

60.2491, 57.9517, 72.3003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1769, 56.4613, 85.9021 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(245, 176, 235)` looks like.

```
.text, #text, p{  
    color:rgb(245, 176, 235)  
}
```

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(245, 176, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 176, 235) }
```

Border

The CSS property to change the border of an element to XYZ 68.1769, 56.4613, 85.9021 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(245, 176, 235) }
```


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

```
.border{ border-color:rgb(245, 176, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 176, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 176, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 176, 235);  
box-shadow:4px 4px 4px 4px rgb(245, 176,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1769, 56.4613, 85.9021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 176, 235) }
```

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

```
.background{ background-color: rgb(245,  
176, 235) }
```

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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