

Converting Colors

XYZ(67.6223, 57.2298, 88.7930)

Have a look what the booklet for
XYZ(67.6223, 57.2298, 88.7930)
contains.

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Color

**XYZ(67.8364, 57.3998,
89.1653)**

Conversions

Conversions Part 1	
Format	Color
Hex	F0B4EF
RGB	240, 180, 239
RGB Percent	94%, 71%, 94%
CMY	0.0588, 0.2941, 0.0627
CMYK	0.00, 0.25, 0.00, 0.06
HSL	301°, 67%, 82%
HSV	301°, 25%, 94%
XYZ	67.8364, 57.3998, 89.1653
YIQ	204.6660, 16.8210, 31.0690

Conversions

Conversions Part 2

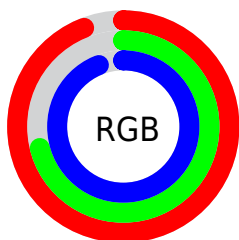
Format	Color
RYB	240, 180, 239
Decimal	15774959
CIELab	80.40, 31.30, -20.90
CIELCh	80, 37.636, 326.265
Yxy	57.3998, 0.3164, 0.2677
Android (android.graphics.Color)	4293965039 (0xFFFF0B4EF)
YUV	204.6660, 16.9267, 30.9879
Hunter-Lab	75.7627, 27.2408, -16.7447

Details

The XYZ color **67.8364, 57.3998, 89.1653** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **58.3253, 75.3614, 55.1913**, and the grayscale version is **57.7063, 60.7115, 66.1148**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **35.6651, 28.6649, 48.4529** is the 20% darker color. If you saturate the color by 10%, you get **63.3461, 48.5127, 87.3778**, and if you desaturate by 10%, it is **73.1692, 67.9697, 91.2355**.

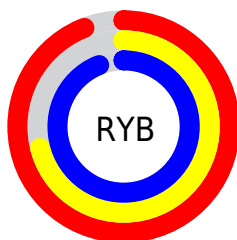
Distribution



Red (94%)

Green (71%)

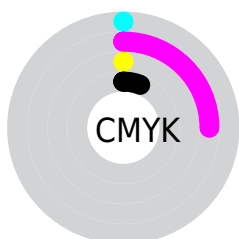
Blue (94%)



Red (94%)

Yellow (71%)

Blue (94%)

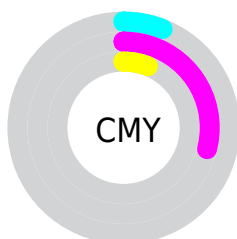


Cyan (0%)

Magenta (25%)

Yellow (0%)

Black (6%)



Cyan (6%)


Magenta (29%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8364, 57.3998, 89.1653 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 67.8364, 57.3998, 89.1653 by changing the saturation by 10% instead.


 67.8364, 57.3998,
89.1653

 67.8364, 57.3998,
89.1653


442.3020,
414.9457, 545.8117

 50.0378, 41.3263,
66.7187


 115.1613,
101.0483, 148.1038

 35.6614, 28.5741,
48.3959


145.4183,
129.3921, 185.4328

 24.3417, 18.7589,
33.7783

180.5588,
162.5948, 228.5597

 15.7134, 11.4962,
22.4474

220.9483,
201.0409, 277.9031

 9.4111, 6.4016,
13.9845

266.9519,
245.1146, 333.8814

 5.0695, 3.0908,
7.9713


318.9352,


 2.3233, 1.1793,


295.2003, 396.9133


3.9891


377.2634,
351.6826, 467.4172


 0.8065, 0.0447,
1.6193


 0.0000, 0.0000,
0.3046


 67.8364, 57.3998,
89.1653


 67.8364, 57.3998,
89.1653


 63.3461, 48.5127,
87.3778

 73.1692, 67.9697,
91.2355


 59.6498, 41.2143,
85.8550


 79.3793, 80.2950,
93.5982


 56.7021, 35.4130,
84.5824


 86.5061, 94.4533,
96.2671


 54.4510, 31.0048,
83.5426


 87.5134, 96.3726,
96.8968


 52.8379, 27.8722,
82.7161


 87.5731, 96.3965,
97.2113


 51.7944, 25.8786,
82.0802


 87.6329, 96.4204,
97.5264

 51.2366, 24.8563,
81.6068

 87.6929, 96.4444,
97.8423

 51.0760, 24.5816,
81.4097

 87.7530, 96.4685,
98.1589

 87.8133, 96.4926,
98.4761

Harmonies

Analogous

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



61.3831, 57.3998, 108.8241



67.8364, 57.3998, 89.1653



70.7265, 57.3998, 65.3055

Triad

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



67.8364, 57.3998, 89.1653



55.5283, 57.3998, 28.9854



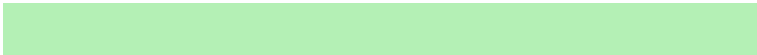
42.3138, 57.3998, 83.2309

Complementary

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



67.8364, 57.3998, 89.1653



58.3253, 75.3614, 55.1913

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.



41.0610, 57.3998, 59.7734



67.8364, 57.3998, 89.1653



48.2563, 57.3998, 31.6343

Square

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



67.8364, 57.3998, 89.1653



63.2104, 57.3998, 33.4237



43.1342, 57.3998, 41.7617



46.7313, 57.3998, 104.8698

Rectangle

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



67.8364, 57.3998, 89.1653



70.0606, 57.3998, 51.3463



43.1342, 57.3998, 41.7617



41.5276, 57.3998, 75.1591

Sweetspot

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



67.8382, 57.4023, 89.1665



89.5698, 89.1161, 106.8371



51.1081, 48.7605, 89.1572



19.0757, 18.8840, 22.8312



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.



67.8382, 57.4023, 89.1665



75.1054, 60.4383, 101.2421



63.7671, 55.7739, 67.7284



16.4422, 16.0266, 19.8850



27.9647, 13.4583, 44.5923



2.3300, 1.1211, 3.7287

Inverse Universe

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



67.8382, 57.4023, 89.1665



75.1054, 60.4383, 101.2421



61.7425, 76.7283, 73.1861



16.4422, 16.0266, 19.8850



27.9647, 13.4583, 44.5923



2.3300, 1.1211, 3.7287

Previews

White Background



This preview shows how the XYZ color 67.8364, 57.3998, 89.1653 looks on a white background.

Color Contrast Check

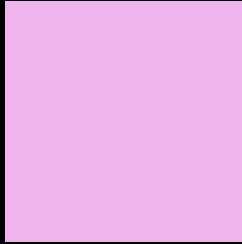
Large Text (above 18pt) WCAG AA × Fail

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 67.8364, 57.3998, 89.1653 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 67.8364, 57.3998, 89.1653

Background



This preview shows how black text looks on a background with the XYZ color 67.8364, 57.3998, 89.1653.



This preview shows how white text looks on a background with the XYZ color 67.8364, 57.3998,

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

67.8364, 57.3998, 89.1653

Protanopia

58.1002, 57.9180, 99.3839

Deuteranopia

58.7428, 57.5038, 87.3602



Tritanopia

62.5739, 57.4199, 63.0435

Trichromacy



Original Color
67.8364, 57.3998, 89.1653



Protanomaly
60.8729, 57.0988, 95.8085



Deuteranomaly
61.7238, 57.3884, 87.9446

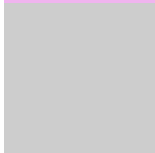


Tritanomaly
64.3313, 57.1918, 71.9385

Monochromacy



Original Color
67.8364, 57.3998, 89.1653



Achromatopsia
58.0276, 61.0496, 66.4830



Achromatomaly
61.1778, 59.3950, 73.8856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8364, 57.3998, 89.1653 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(240, 180, 239) looks like.

```
.text, #text, p{  
    color:rgb(240, 180, 239)  
}
```

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(240, 180, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 180, 239) }
```

Border

The CSS property to change the border of an element to XYZ 67.8364, 57.3998, 89.1653 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(240, 180, 239) }
```


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

```
.border{ border-color:rgb(240, 180, 239) }
```

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

Here you see how a box with a 4 pixel rgb(240, 180, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 180, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 180, 239);  
box-shadow:4px 4px 4px 4px rgb(240, 180,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8364, 57.3998, 89.1653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 180, 239) }
```

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

```
.background{ background-color: rgb(240,  
180, 239) }
```

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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