

Converting Colors

XYZ(57.5443, 36.7068, 78.5475)

Have a look what the booklet for
XYZ(57.5443, 36.7068, 78.5475)
contains.

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Color

**XYZ(57.8442, 36.9359,
78.9435)**

Conversions

Conversions Part 1

Format	Color
Hex	F571E6
RGB	245, 113, 230
RGB Percent	96%, 44%, 90%
CMY	0.0392, 0.5568, 0.0980
CMYK	0.00, 0.54, 0.06, 0.04
HSL	307°, 87%, 70%
HSV	307°, 54%, 96%
XYZ	57.8442, 36.9359, 78.9435
YIQ	165.8060, 41.1150, 64.3710

Conversions

Conversions Part 2

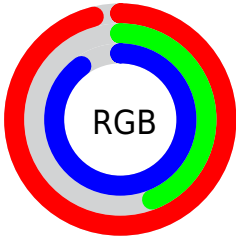
Format	Color
R_YB	245, 113, 230
Decimal	16085478
CIE _{Lab}	67.23, 64.97, -36.17
CIE _{LCh}	67, 74.365, 330.893
Yxy	36.9359, 0.3330, 0.2126
Android (android.graphics.Color)	4294275558 (0xFFFF571E6)
YUV	165.8060, 31.6476, 69.4531
Hunter-Lab	60.7749, 63.5362, -34.4722

Details

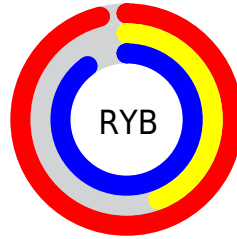
The XYZ color **57.8442, 36.9359, 78.9435** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **43.3604, 70.3753, 31.7230**, and the grayscale version is **35.9915, 37.8659, 41.2360**.

A 20% lighter version of the original color is **73.6647, 57.2295, 101.7716**, and **29.2559, 16.2275, 41.6347** is the 20% darker color. If you saturate the color by 10%, you get **55.0830, 32.0336, 76.1096**, and if you desaturate by 10%, it is **61.3517, 43.3193, 82.0577**.

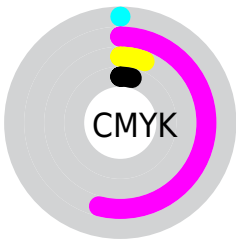
Distribution



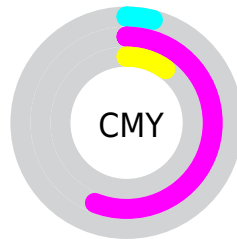
- Red (96%)
- Green (44%)
- Blue (90%)



- Red (96%)
- Yellow (44%)
- Blue (90%)



- Cyan (0%)
- Magenta (54%)
- Yellow (6%)
- Black (4%)





- Cyan (4%)
- Magenta (56%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.8442, 36.9359, 78.9435 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 57.8442, 36.9359, 78.9435 by changing the saturation by 10% instead.


 57.8442, 36.9359,
78.9435


 57.8442, 36.9359,
78.9435

406.5684,
333.0329, 510.9778


 41.9262, 25.1579,
58.3283

 100.8202, 70.4742,
133.6773

 29.2344, 16.1947,
41.6562


 128.6089, 93.0032,
168.6329

 19.4033, 9.6620,
28.5086


 161.0852,
119.8847, 209.2058

 12.0678, 5.1755,
18.4670

198.6145,
151.5031, 255.8145

 6.8624, 2.3506,
11.1129

241.5621,
188.2427, 308.8775

 3.4218, 0.8003,
6.0277

290.2934,

 1.3805, 0.0000,

230.4879, 368.8133

2.7929

345.1737,
278.6232, 436.0406

■ 0.2423, 0.0000,
0.9899

■ 0.0000, 0.0000,
0.0000

■ 57.8442, 36.9359,
78.9435

■ 57.8442, 36.9359,
78.9435

■ 55.0830, 32.0336,
76.1096

■ 61.3517, 43.3193,
82.0577

■ 53.0036, 28.4855,
73.5332


■ 65.6559, 51.2869,
85.4681


■ 51.5365, 26.1522,
71.1915


■ 70.8071, 60.9383,
89.1919


■ 50.5957, 24.8618,
69.0557


■ 76.8504, 72.3638,
93.2443

 50.2015, 24.4307,
67.8231

 83.8276, 85.6471,
97.6394

 90.1598, 97.6300,
101.8509

 90.5921, 97.8029,
104.1276

 91.0309, 97.9784,
106.4381

 91.4666, 98.1527,
108.7323

Harmonies

Analogous

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



47.5508, 36.9359, 121.2684



57.8442, 36.9359, 78.9435



61.7725, 36.9359, 39.2508

Triad

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



57.8442, 36.9359, 78.9435



34.7675, 36.9359, 4.4989



19.5069, 36.9359, 81.6177

Complementary

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



57.8442, 36.9359, 78.9435



43.3604, 70.3753, 31.7230

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.



17.4892, 36.9359, 41.1987



57.8442, 36.9359, 78.9435



25.0481, 36.9359, 6.8861

Square

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



57.8442, 36.9359, 78.9435



46.8334, 36.9359, 6.5902



19.2780, 36.9359, 16.8250



25.5213, 36.9359, 123.3125

Rectangle

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



57.8442, 36.9359, 78.9435



59.7077, 36.9359, 21.7866



19.2780, 36.9359, 16.8250



18.4052, 36.9359, 66.8887

Sweetspot

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



57.8455, 36.9376, 78.9442



82.6496, 76.3794, 101.1280



31.0221, 22.8557, 89.1636



17.3902, 15.7800, 21.4467



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.



57.8455, 36.9376, 78.9442



59.9973, 34.5121, 82.9807



50.4274, 33.9704, 39.8815



17.1278, 16.7340, 20.4193



27.0772, 13.1743, 36.7107



2.4024, 1.1669, 3.3456

Inverse Universe

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



57.8455, 36.9376, 78.9442



59.9973, 34.5121, 82.9807



49.0006, 72.6314, 61.4240



17.1278, 16.7340, 20.4193



27.0772, 13.1743, 36.7107



2.4024, 1.1669, 3.3456

Previews

White Background



This preview shows how the XYZ color 57.8442, 36.9359, 78.9435 looks on a white background.

Color Contrast Check

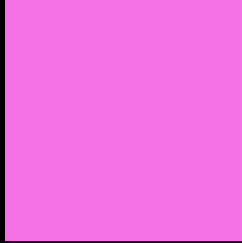
Large Text (above 18pt) WCAG AA × Fail

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 57.8442, 36.9359, 78.9435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

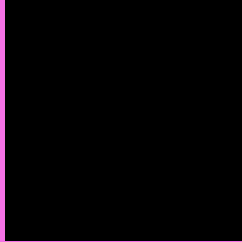
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.8442, 36.9359, 78.9435

Background



This preview shows how black text looks on a background with the XYZ color 57.8442, 36.9359, 78.9435.

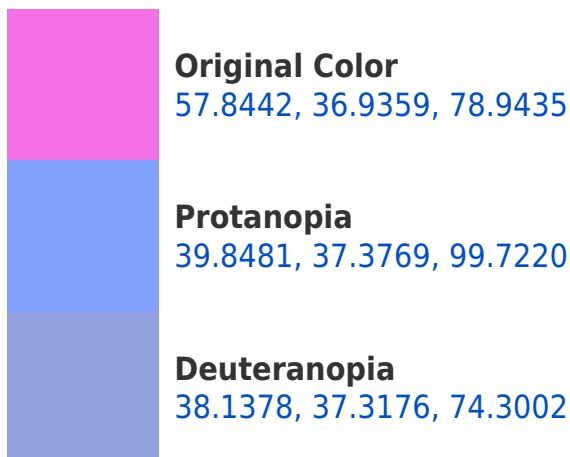


This preview shows how white text looks on a background with the XYZ color 57.8442, 36.9359,

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





Tritanopia

47.8201, 36.7260, 30.9540

Trichromacy



Original Color

57.8442, 36.9359, 78.9435



Protanomaly

43.4024, 35.2583, 91.7067



Deuteranomaly

43.0923, 35.4500, 75.8055



Tritanomaly

50.7953, 36.3676, 44.8999

Monochromacy



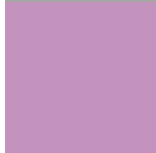
Original Color

57.8442, 36.9359, 78.9435



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

42.1247, 36.1437, 52.9003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8442, 36.9359, 78.9435 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, 113, 230)` looks like.

```
.text, #text, p{  
    color:rgb(245, 113, 230)  
}
```

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, 113, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 113, 230) }
```

Border

The CSS property to change the border of an element to XYZ 57.8442, 36.9359, 78.9435 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, 113, 230) }
```


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

```
.border{ border-color:rgb(245, 113, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 113, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 113, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 113, 230);  
box-shadow:4px 4px 4px 4px rgb(245, 113,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8442, 36.9359, 78.9435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 113, 230) }
```

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

```
.background{ background-color: rgb(245,  
113, 230) }
```

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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