

Converting Colors

XYZ(58.8070, 35.1092, 87.5072)

Have a look what the booklet for
XYZ(58.8070, 35.1092, 87.5072)
contains.

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Color

**XYZ(58.8466, 35.1086,
87.6795)**

Conversions

Conversions Part 1

Format	Color
Hex	F763F2
RGB	247, 99, 242
RGB Percent	97%, 39%, 95%
CMY	0.0314, 0.6117, 0.0510
CMYK	0.00, 0.60, 0.02, 0.03
HSL	302°, 90%, 68%
HSV	302°, 60%, 97%
XYZ	58.8466, 35.1086, 87.6795
YIQ	159.5540, 42.3050, 75.8490

Conversions

Conversions Part 2

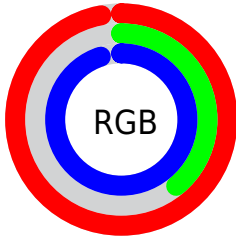
Format	Color
R _{YB}	247, 99, 242
Decimal	16212978
CIE Lab	65.83, 73.42, -44.98
CIE LCh	66, 86.104, 328.509
Yxy	35.1086, 0.3240, 0.1933
Android (android.graphics.Color)	4294403058 (0xFFFF763F2)
YUV	159.5540, 40.6459, 76.6901
Hunter-Lab	59.2525, 73.5853, -46.2582

Details

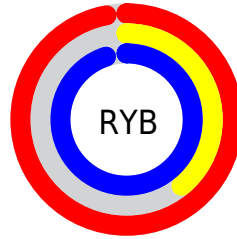
The XYZ color **58.8466, 35.1086, 87.6795** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **40.9066, 70.1751, 24.4878**, and the grayscale version is **33.0157, 34.7351, 37.8265**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **29.7670, 15.1006, 47.2448** is the 20% darker color. If you saturate the color by 10%, you get **56.7296, 31.0738, 86.3570**, and if you desaturate by 10%, it is **61.6820, 40.5775, 89.2449**.

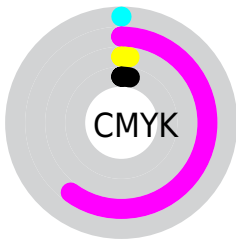
Distribution



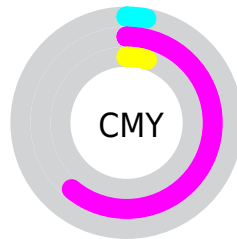
- Red (97%)
- Green (39%)
- Blue (95%)



- Red (97%)
- Yellow (39%)
- Blue (95%)



- Cyan (0%)
- Magenta (60%)
- Yellow (2%)
- Black (3%)





- Cyan (3%)
- Magenta (61%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8466, 35.1086, 87.6795 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 58.8466, 35.1086, 87.6795 by changing the saturation by 10% instead.


 58.8466, 35.1086,
87.6795


 58.8466, 35.1086,
87.6795


410.2364,
325.0474, 540.8272


 42.7355, 23.7465,
65.4948


 102.2706, 67.6540,
146.0181


 29.8713, 15.1457,
47.4086


 130.3142, 89.6061,
183.0091

 19.8885, 8.9217,
33.0021

 163.0661,
115.8570, 225.7726

 12.4218, 4.6902,
21.8569

 200.8915,
146.7911, 274.7272

 7.1059, 2.0666,
13.5545

244.1559,
182.7928, 330.2915

 3.5753, 0.6458,
7.6763

293.2247,

 1.4648, 0.0000,

224.2465, 392.8838

3.8037

348.4630,
271.5366, 462.9229

■ 0.3017, 0.0000,
1.5183

■ 0.0000, 0.0000,
0.2315

■ 58.8466, 35.1086,
87.6795

■ 58.8466, 35.1086,
87.6795

■ 56.7296, 31.0738,
86.3570

■ 61.6820, 40.5775,
89.2449

■ 55.2596, 28.3331,
85.2527


■ 65.2912, 47.5937,
91.0707


■ 54.3574, 26.7271,
84.3405


■ 69.7283, 56.2650,
93.1753


■ 53.8906, 25.9909,
83.5763


■ 75.0416, 66.6878,
95.5748


 53.8874, 25.9861,
83.5701

 81.2758, 78.9514,
98.2842

 88.4724, 93.1389,
101.3171

 91.0372, 98.0620,
102.8090

 91.1669, 98.1139,
103.4921

 91.2972, 98.1660,
104.1781

Harmonies

Analogous

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



46.4452, 35.1086, 138.6051



58.8466, 35.1086, 87.6795



64.2452, 35.1086, 40.0778

Triad

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



58.8466, 35.1086, 87.6795



34.0097, 35.1086, 2.2665



16.1724, 35.1086, 82.3063

Complementary

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



58.8466, 35.1086, 87.6795



40.9066, 70.1751, 24.4878

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.



14.4169, 35.1086, 36.4346



58.8466, 35.1086, 87.6795



23.0120, 35.1086, 3.8121

Square

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



58.8466, 35.1086, 87.6795



47.8320, 35.1086, 4.2173



16.5680, 35.1086, 12.0843



22.1629, 35.1086, 134.3505

Rectangle

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



58.8466, 35.1086, 87.6795



62.3213, 35.1086, 20.0362



16.5680, 35.1086, 12.0843



15.1465, 35.1086, 65.0267

Sweetspot

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



58.8479, 35.1102, 87.6802



81.8663, 74.0305, 103.2785



26.9531, 18.5799, 90.1626



17.1333, 15.0804, 21.9338



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.



58.8479, 35.1102, 87.6802



60.5858, 32.6444, 92.5636



49.8953, 31.5292, 40.5364



17.1880, 16.7581, 20.7367



28.5101, 13.7475, 44.2561



2.5132, 1.2113, 3.9290

Inverse Universe

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



58.8479, 35.1102, 87.6802



60.5858, 32.6444, 92.5636



46.4371, 72.3873, 53.6111



17.1880, 16.7581, 20.7367



28.5101, 13.7475, 44.2561



2.5132, 1.2113, 3.9290

Previews

White Background



This preview shows how the XYZ color 58.8466, 35.1086, 87.6795 looks on a white background.

Color Contrast Check

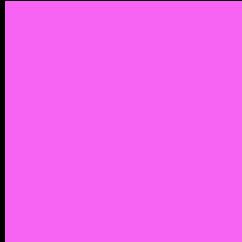
Large Text (above 18pt) WCAG AA × Fail

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 58.8466, 35.1086, 87.6795 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 58.8466, 35.1086, 87.6795

Background



This preview shows how black text looks on a background with the XYZ color 58.8466, 35.1086, 87.6795.



This preview shows how white text looks on a background with the XYZ color 58.8466, 35.1086,

87.6795.

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

58.8466, 35.1086, 87.6795

Protanopia

37.9921, 35.3989, 99.4380

Deuteranopia

36.3237, 35.4478, 81.2716



Tritanopia

46.4955, 34.9067, 27.9540

Trichromacy



Original Color

58.8466, 35.1086, 87.6795



Protanomaly

41.9958, 32.7259, 94.5458



Deuteranomaly

41.3196, 32.8317, 83.5163



Tritanomaly

49.6958, 34.1684, 44.5334

Monochromacy



Original Color

58.8466, 35.1086, 87.6795



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

40.1210, 33.1011, 52.9897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8466, 35.1086, 87.6795 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(247, 99, 242)` looks like.

```
.text, #text, p{  
    color:rgb(247, 99, 242)  
}
```

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(247, 99, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 99, 242) }
```

Border

The CSS property to change the border of an element to XYZ 58.8466, 35.1086, 87.6795 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(247, 99, 242) }
```


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

```
.border{ border-color:rgb(247, 99, 242) }
```

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

Here you see how a box with a 4 pixel rgb(247, 99, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 99, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 99, 242);  
box-shadow:4px 4px 4px 4px rgb(247, 99,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8466, 35.1086, 87.6795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 99, 242) }
```

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

```
.background{ background-color: rgb(247, 99,  
242) }
```

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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