

Converting Colors

XYZ(58.9827, 37.8552, 88.3204)

Have a look what the booklet for
XYZ(58.9827, 37.8552, 88.3204)
contains.

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Color

**XYZ(58.8904, 37.7788,
88.1926)**

Conversions

Conversions Part 1

Format	Color
Hex	F274F2
RGB	242, 116, 242
RGB Percent	95%, 45%, 95%
CMY	0.0510, 0.5451, 0.0510
CMYK	0.00, 0.52, 0.00, 0.05
HSL	300°, 83%, 70%
HSV	300°, 52%, 95%
XYZ	58.8904, 37.7788, 88.1926
YIQ	168.0380, 34.6500, 65.8980

Conversions

Conversions Part 2

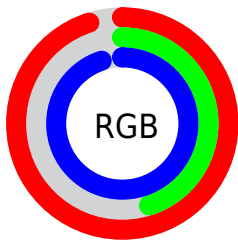
Format	Color
R _Y B	242, 116, 242
Decimal	15889650
CIE Lab	67.86, 64.80, -41.85
CIE LCh	68, 77.143, 327.145
Yxy	37.7788, 0.3186, 0.2044
Android (android.graphics.Color)	4294079730 (0xFFFF274F2)
YUV	168.0380, 36.4633, 64.8647
Hunter-Lab	61.4645, 63.4618, -42.0474

Details

The XYZ color **58.8904, 37.7788, 88.1926** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **42.1087, 68.4798, 27.5236**, and the grayscale version is **37.0543, 38.9840, 42.4535**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **29.8494, 16.6980, 47.5487** is the 20% darker color. If you saturate the color by 10%, you get **56.4560, 32.9090, 87.3813**, and if you desaturate by 10%, it is **62.0539, 44.1048, 89.2476**.

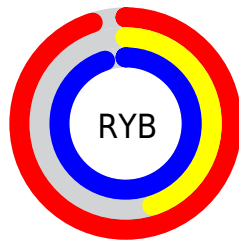
Distribution



Red (95%)

Green (45%)

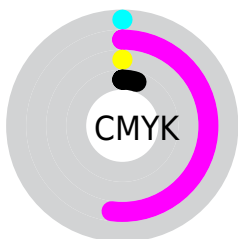
Blue (95%)



Red (95%)

Yellow (45%)

Blue (95%)

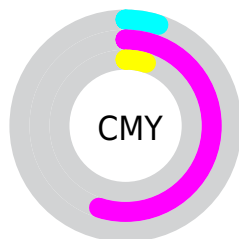


Cyan (0%)

Magenta (52%)

Yellow (0%)

Black (5%)



Cyan (5%)


Magenta (55%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8904, 37.7788, 88.1926 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 58.8904, 37.7788, 88.1926 by changing the saturation by 10% instead.


 58.8904, 37.7788,
88.1926

 58.8904, 37.7788,
88.1926


410.3962,
336.6701, 542.5514


 42.7709, 25.8111,
65.9173

 102.3339, 71.7690,
146.7388

 29.8992, 16.6823,
47.7492


 130.3886, 94.5602,
183.8468

 19.9098, 10.0083,
33.2698


 163.1525,
121.7280, 226.7361

 12.4373, 5.4044,
22.0604

200.9908,
153.6568, 275.8252

 7.1166, 2.4865,
13.7025

244.2690,
190.7311, 331.5328

 3.5821, 0.8698,
7.7777

293.3524,

 1.4685, 0.0000,

233.3351, 394.2773

3.8673

348.6064,
281.8533, 464.4774

■ 0.3043, 0.0000,
1.5528

■ 0.0000, 0.0000,
0.2568

■ 58.8904, 37.7788,
88.1926

■ 58.8904, 37.7788,
88.1926

■ 56.4560, 32.9090,
87.3813

■ 62.0539, 44.1048,
89.2476

■ 54.6890, 29.3750,
86.7921


■ 65.9940, 51.9849,
90.5611


■ 53.5243, 27.0457,
86.4038


■ 70.7588, 61.5144,
92.1495


■ 52.8819, 25.7611,
86.1895


■ 76.3914, 72.7796,
94.0272


 52.6455, 25.2884,
86.1106

 82.9319, 85.8606,
96.2076

 88.4059, 96.8085,
98.0324

 88.4059, 96.8085,
98.0326

 88.4060, 96.8085,
98.0327

 88.4060, 96.8085,
98.0329

Harmonies

Analogous

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



47.4516, 37.7788, 131.9462



58.8904, 37.7788, 88.1926



64.1120, 37.7788, 44.5017

Triad

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



58.8904, 37.7788, 88.1926



37.0648, 37.7788, 4.1922



19.0888, 37.7788, 79.0822

Complementary

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



58.8904, 37.7788, 88.1926



42.1087, 68.4798, 27.5236

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.



17.4923, 37.7788, 37.9420



58.8904, 37.7788, 88.1926



26.4064, 37.7788, 5.9595

Square

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



58.8904, 37.7788, 88.1926



49.8801, 37.7788, 6.9106



19.8500, 37.7788, 14.7562



24.8234, 37.7788, 124.9420

Rectangle

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



58.8904, 37.7788, 88.1926



62.6614, 37.7788, 24.6173



19.8500, 37.7788, 14.7562



18.1145, 37.7788, 63.7584

Sweetspot

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



58.8917, 37.7805, 88.1934



83.3872, 76.6744, 105.0121



29.4765, 22.6164, 86.8177



17.5681, 15.8512, 22.3835



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.



58.8917, 37.7805, 88.1934



63.5552, 37.0108, 98.4006



51.0017, 34.6245, 46.6449



16.4543, 16.0314, 19.9487



28.2811, 13.5849, 46.2585



2.3527, 1.1301, 3.8483

Inverse Universe

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



58.8917, 37.7805, 88.1934



63.5552, 37.0108, 98.4006



47.0929, 70.4736, 53.7705



16.4543, 16.0314, 19.9487



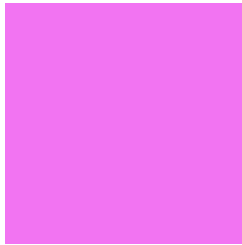
28.2811, 13.5849, 46.2585



2.3527, 1.1301, 3.8483

Previews

White Background



This preview shows how the XYZ color 58.8904, 37.7788, 88.1926 looks on a white background.

Color Contrast Check

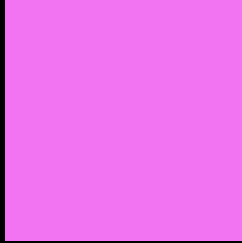
Large Text (above 18pt) WCAG AA × Fail

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 58.8904, 37.7788, 88.1926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

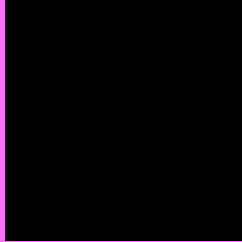
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.8904, 37.7788, 88.1926

Background



This preview shows how black text looks on a background with the XYZ color 58.8904, 37.7788, 88.1926.



This preview shows how white text looks on a background with the XYZ color 58.8904, 37.7788,

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

58.8904, 37.7788, 88.1926

Protanopia

40.5073, 38.2397, 99.8538

Deuteranopia

39.1112, 38.1542, 83.1450



Tritanopia

47.6124, 37.6241, 33.1865

Trichromacy



Original Color

58.8904, 37.7788, 88.1926



Protanomaly

44.3288, 36.1178, 95.0775



Deuteranomaly

44.0799, 36.4468, 84.8324



Tritanomaly

50.9245, 37.3137, 49.3180

Monochromacy



Original Color

58.8904, 37.7788, 88.1926



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

43.1034, 37.0371, 56.5068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8904, 37.7788, 88.1926 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(242, 116, 242)` looks like.

```
.text, #text, p{  
    color:rgb(242, 116, 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(242, 116, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 116, 242) }
```

Border

The CSS property to change the border of an element to XYZ 58.8904, 37.7788, 88.1926 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(242, 116, 242) }
```


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

```
.border{ border-color:rgb(242, 116, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 116, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 116, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 116, 242);  
box-shadow:4px 4px 4px 4px rgb(242, 116,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8904, 37.7788, 88.1926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 116, 242) }
```

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

```
.background{ background-color: rgb(242,  
116, 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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