

Converting Colors

XYZ(71.0439, 39.8993, 80.9872)

Have a look what the booklet for
XYZ(71.0439, 39.8993, 80.9872)
contains.

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Color

**XYZ(59.2758, 33.7988,
80.4904)**

Conversions

Conversions Part 1

Format	Color
Hex	FF56E9
RGB	255, 86, 233
RGB Percent	100%, 34%, 91%
CMY	0.0000, 0.6627, 0.0863
CMYK	0.00, 0.66, 0.09, 0.00
HSL	308°, 100%, 67%
HSV	308°, 66%, 100%
XYZ	59.2758, 33.7988, 80.4904
YIQ	153.2890, 53.5370, 81.5450

Conversions

Conversions Part 2

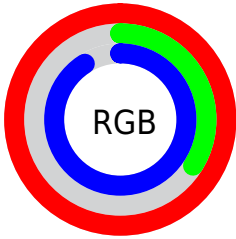
Format	Color
R _Y B	255, 86, 233
Decimal	16733929
CIE Lab	64.80, 78.90, -41.52
CIE LCh	65, 89.158, 332.242
Yxy	33.7988, 0.3415, 0.1947
Android (android.graphics.Color)	4294924009 (0xFFFF56E9)
YUV	153.2890, 39.2975, 89.2005
Hunter-Lab	58.1367, 80.2580, -41.3914

Details

The XYZ color **59.2758, 33.7988, 80.4904** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **42.3057, 74.5817, 26.3556**, and the grayscale version is **30.2236, 31.7976, 34.6275**.

A 20% lighter version of the original color is **69.7237, 49.3474, 100.4579**, and **30.4415, 14.7764, 42.8427** is the 20% darker color. If you saturate the color by 10%, you get **57.1208, 30.2405, 77.4546**, and if you desaturate by 10%, it is **62.1670, 38.8149, 83.8164**.

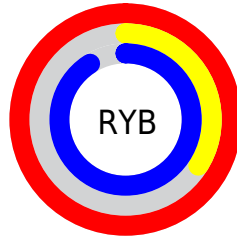
Distribution



Red (100%)

Green (34%)

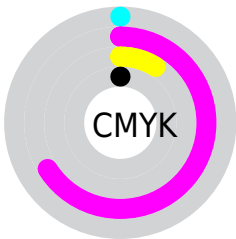
Blue (91%)



Red (100%)

Yellow (34%)

Blue (91%)

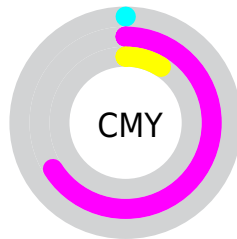


Cyan (0%)

Magenta (66%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.2758, 33.7988, 80.4904 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 59.2758, 33.7988, 80.4904 by changing the saturation by 10% instead.


 59.2758, 33.7988,
80.4904


 59.2758, 33.7988,
80.4904


411.8009,
319.2340, 516.3343


 43.0824, 22.7391,
59.5934

 102.8907, 65.6207,
135.8726


 30.1446, 14.4010,
42.6679


 131.0430, 87.1516,
171.1949

 20.0970, 8.4001,
29.2951

 163.9122,
112.9417, 212.1628

 12.5742, 4.3520,
19.0567

 201.8638,
143.3754, 259.1948

 7.2110, 1.8723,
11.5340

245.2631,
178.8371, 312.7094

 3.6419, 0.5317,
6.3086

294.4755,

 1.5016, 0.0000,

219.7112, 373.1251

2.9618

349.8663,
266.3820, 440.8606

■ 0.3269, 0.0000,
1.0752

■ 0.0000, 0.0000,
0.0000

■ 59.2758, 33.7988,
80.4904

■ 59.2758, 33.7988,
80.4904

■ 57.1208, 30.2405,
77.4546

■ 62.1670, 38.8149,
83.8164

■ 55.6184, 27.9734,
74.6797

■ 65.8616, 45.4236,
87.4541

■ 54.6681, 26.7964,
72.1324

■ 70.4216, 53.7488,
91.4248

■ 54.3985, 26.5234,
71.2219

■ 75.9025, 63.9011,
95.7471

82.3548, 75.9817,
100.4382

89.8256, 90.0847,
105.5140

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



47.1661, 33.7988, 134.7462



59.2758, 33.7988, 80.4904



63.6203, 33.7988, 34.1053

Triad

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



59.2758, 33.7988, 80.4904



31.1691, 33.7988, 1.7243



15.4500, 33.7988, 88.8310

Complementary

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



59.2758, 33.7988, 80.4904



42.3057, 74.5817, 26.3556

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.



13.2409, 33.7988, 39.6355



59.2758, 33.7988, 80.4904



20.6785, 33.7988, 3.5520

Square

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



59.2758, 33.7988, 80.4904



45.0391, 33.7988, 3.0015



14.8650, 33.7988, 12.7281



21.9501, 33.7988, 141.4208

Rectangle

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



59.2758, 33.7988, 80.4904



60.7979, 33.7988, 16.0119



14.8650, 33.7988, 12.7281



14.2728, 33.7988, 70.5482

Sweetspot

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



59.2765, 33.8002, 80.4910



79.8322, 71.2455, 98.6448



27.2896, 16.9243, 96.4361



16.7001, 14.5245, 20.8322



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.



59.2765, 33.8002, 80.4910



56.4890, 29.2537, 76.3909



50.1372, 30.1445, 32.3642



18.6849, 18.2573, 22.2238



28.4641, 13.8750, 37.4242



2.7986, 1.3618, 3.7867

Inverse Universe

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



59.2765, 33.8002, 80.4910



56.4890, 29.2537, 76.3909



48.9169, 77.2262, 61.1693



18.6849, 18.2573, 22.2238



28.4641, 13.8750, 37.4242



2.7986, 1.3618, 3.7867

Previews

White Background



This preview shows how the XYZ color 59.2758, 33.7988, 80.4904 looks on a white background.

Color Contrast Check

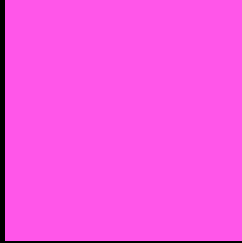
Large Text (above 18pt) WCAG AA × Fail

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 59.2758, 33.7988, 80.4904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

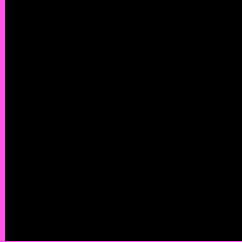
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.2758, 33.7988, 80.4904

Background



This preview shows how black text looks on a background with the XYZ color 59.2758, 33.7988, 80.4904.



This preview shows how white text looks on a background with the XYZ color 59.2758, 33.7988,

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

59.2758, 33.7988, 80.4904

Protanopia

36.8081, 34.0442, 99.2389

Deuteranopia

34.9048, 34.1192, 73.8532



Tritanopia

47.5526, 33.6963, 23.7364

Trichromacy



Original Color

59.2758, 33.7988, 80.4904



Protanomaly

40.5751, 30.6314, 91.7696



Deuteranomaly

40.2039, 31.1886, 75.8525



Tritanomaly

50.6570, 32.9811, 39.2934

Monochromacy



Original Color

59.2758, 33.7988, 80.4904



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

37.5290, 30.0251, 48.0734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2758, 33.7988, 80.4904 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(255, 86, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 233)  
}
```

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(255, 86, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 233) }
```

Border

The CSS property to change the border of an element to XYZ 59.2758, 33.7988, 80.4904 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(255, 86, 233) }
```


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

```
.border{ border-color:rgb(255, 86, 233) }
```

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

Here you see how a box with a 4 pixel rgb(255, 86, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2758, 33.7988, 80.4904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 233) }
```

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

```
.background{ background-color: rgb(255, 86,  
233) }
```

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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