

Converting Colors

XYZ(58.5952, 33.8274, 75.9790)

Have a look what the booklet for
XYZ(58.5952, 33.8274, 75.9790)
contains.

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Color

**XYZ(58.5949, 33.7855,
76.1060)**

Conversions

Conversions Part 1

Format	Color
Hex	FF58E3
RGB	255, 88, 227
RGB Percent	100%, 35%, 89%
CMY	0.0000, 0.6549, 0.1098
CMYK	0.00, 0.65, 0.11, 0.00
HSL	310°, 100%, 67%
HSV	310°, 65%, 100%
XYZ	58.5949, 33.7855, 76.1060
YIQ	153.7790, 54.9130, 78.6330

Conversions

Conversions Part 2

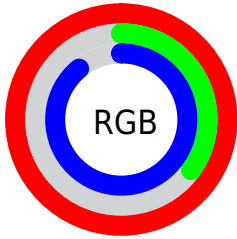
Format	Color
R_{YB}	255, 88, 227
Decimal	16734435
CIE _{Lab}	64.79, 77.30, -38.20
CIE _{LCh}	65, 86.224, 333.705
Yxy	33.7855, 0.3478, 0.2005
Android (android.graphics.Color)	4294924515 (0xFFFF58E3)
YUV	153.7790, 36.0980, 88.7708
Hunter-Lab	58.1253, 78.2229, -36.9433

Details

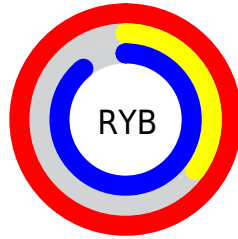
The XYZ color **58.5949, 33.7855, 76.1060** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **42.9381, 74.8562, 28.7110**, and the grayscale version is **30.4500, 32.0358, 34.8869**.

A 20% lighter version of the original color is **69.8799, 49.6598, 100.5100**, and **29.8564, 14.5424, 39.7614** is the 20% darker color. If you saturate the color by 10%, you get **56.2726, 30.0737, 72.4567**, and if you desaturate by 10%, it is **61.6648, 38.9691, 80.0776**.

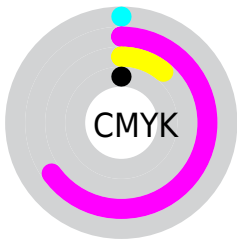
Distribution



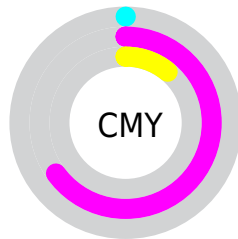
- Red (100%)
- Green (35%)
- Blue (89%)



- Red (100%)
- Yellow (35%)
- Blue (89%)



- Cyan (0%)
- Magenta (65%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (65%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5949, 33.7855, 76.1060 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 58.5949, 33.7855, 76.1060 by changing the saturation by 10% instead.


 58.5949, 33.7855,
76.1060


 58.5949, 33.7855,
76.1060

409.3172,
319.1745, 501.0670


 42.5322, 22.7289,
56.0123


 101.9067, 65.6000,
129.6382

 29.7112, 14.3934,
39.8087


 129.8864, 87.1266,
163.9137

 19.7665, 8.3948,
27.0768


 162.5693,
112.9120, 203.7536

 12.3327, 4.3486,
17.3979

 200.3206,
143.3406, 249.5763

 7.0445, 1.8704,
10.3537

243.5057,
178.7967, 301.8005

 3.5365, 0.5305,
5.5254

292.4899,

 1.4434, 0.0000,

219.6648, 360.8446

2.4946

347.6387,
266.3293, 427.1273

■ 0.2868, 0.0000,
0.8373

■ 0.0000, 0.0000,
0.0000

■ 58.5949, 33.7855,
76.1060

■ 58.5949, 33.7855,
76.1060

■ 56.2726, 30.0737,
72.4567

■ 61.6648, 38.9691,
80.0776

■ 54.6156, 27.6692,
69.1005

■ 65.5491, 45.7577,
84.3931

■ 53.5254, 26.3751,
66.0046

■ 70.3091, 54.2742,
89.0739

■ 53.1545, 26.0258,
64.6709

■ 76.0000, 64.6284,
94.1388

82.6721, 76.9210,
99.6050

90.3723, 91.2453,
105.4888

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.



47.2503, 33.7855, 127.9046



58.5949, 33.7855, 76.1060



62.2808, 33.7855, 32.5469

Triad

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



58.5949, 33.7855, 76.1060



30.5954, 33.7855, 2.0553



16.0754, 33.7855, 89.2061

Complementary

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



58.5949, 33.7855, 76.1060



42.9381, 74.8562, 28.7110

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.



13.7060, 33.7855, 41.3795



58.5949, 33.7855, 76.1060



20.6112, 33.7855, 4.1980

Square

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



58.5949, 33.7855, 76.1060



43.8803, 33.7855, 3.2428



15.1232, 33.7855, 14.0642



22.6620, 33.7855, 138.3048

Rectangle

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



58.5949, 33.7855, 76.1060



59.2781, 33.7855, 15.5908



15.1232, 33.7855, 14.0642



14.8490, 33.7855, 71.6512

Sweetspot

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



58.5956, 33.7869, 76.1066



79.5364, 71.1272, 97.0873



28.7216, 17.9029, 96.5495



16.6283, 14.4957, 20.4541



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.



58.5956, 33.7869, 76.1066



55.6192, 29.0890, 71.2457



49.7394, 30.2444, 29.4706



18.6542, 18.2450, 22.0620



27.8227, 13.6184, 34.0465



2.7421, 1.3392, 3.4895

Inverse Universe

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



58.5956, 33.7869, 76.1066



55.6192, 29.0890, 71.2457



50.1332, 77.7343, 66.5996



18.6542, 18.2450, 22.0620



27.8227, 13.6184, 34.0465



2.7421, 1.3392, 3.4895

Previews

White Background



This preview shows how the XYZ color 58.5949, 33.7855, 76.1060 looks on a white background.

Color Contrast Check

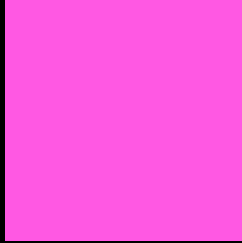
Large Text (above 18pt) WCAG AA × Fail

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 58.5949, 33.7855, 76.1060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

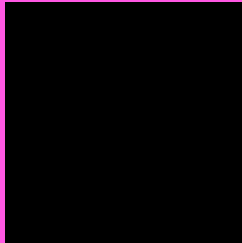
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.5949, 33.7855, 76.1060

Background



This preview shows how black text looks on a background with the XYZ color 58.5949, 33.7855, 76.1060.



This preview shows how white text looks on a background with the XYZ color 58.5949, 33.7855,

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

58.5949, 33.7855, 76.1060

Protanopia

36.9417, 34.1131, 99.2452

Deuteranopia

34.8932, 33.9414, 70.3579



Tritanopia

47.7191, 33.6157, 23.3754

Trichromacy



Original Color

58.5949, 33.7855, 76.1060



Protanomaly

40.4004, 30.7733, 90.1967



Deuteranomaly

40.2235, 31.2768, 72.3236



Tritanomaly

50.7425, 33.0564, 37.8885

Monochromacy



Original Color

58.5949, 33.7855, 76.1060



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

37.8090, 30.3778, 47.5868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5949, 33.7855, 76.1060 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, 88, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 227)  
}
```

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, 88, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 227) }
```

Border

The CSS property to change the border of an element to XYZ 58.5949, 33.7855, 76.1060 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, 88, 227) }
```


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

```
.border{ border-color:rgb(255, 88, 227) }
```

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

Here you see how a box with a 4 pixel rgb(255, 88, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 88, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 88, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 88,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5949, 33.7855, 76.1060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 88, 227) }
```

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

```
.background{ background-color: rgb(255, 88,  
227) }
```

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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