

# Converting Colors

XYZ(57.7232, 33.1014, 88.0610)

Have a look what the booklet for  
XYZ(57.7232, 33.1014, 88.0610)  
contains.

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# Color

**XYZ(57.6734, 33.0433,  
88.1323)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F658F3
RGB	246, 88, 243
RGB Percent	96%, 35%, 95%
CMY	0.0353, 0.6549, 0.0471
CMYK	0.00, 0.64, 0.01, 0.04
HSL	301°, 90%, 65%
HSV	301°, 64%, 96%
XYZ	57.6734, 33.0433, 88.1323
YIQ	152.9120, 44.4130, 81.7010

# Conversions

## Conversions Part 2

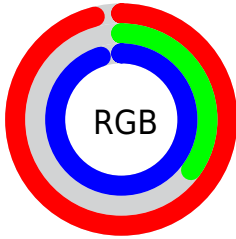
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	246, 88, 243
Decimal	16144627
CIE Lab	64.20, 77.63, -48.12
CIE LCh	64, 91.333, 328.206
Yxy	33.0433, 0.3225, 0.1848
Android (android.graphics.Color)	4294334707 (0xFFFF658F3)
YUV	152.9120, 44.4134, 81.6382
Hunter-Lab	57.4833, 78.4945, -50.6640

# Details

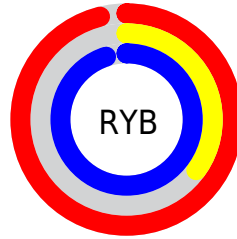
The XYZ color **57.6734, 33.0433, 88.1323** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **38.8701, 68.7430, 21.1194**, and the grayscale version is **30.0412, 31.6056, 34.4185**.

A 20% lighter version of the original color is **69.8799, 49.6598, 100.5100**, and **29.1126, 13.9843, 47.6192** is the 20% darker color. If you saturate the color by 10%, you get **55.9140, 29.6363, 87.1984**, and if you desaturate by 10%, it is **60.1164, 37.8153, 89.2955**.

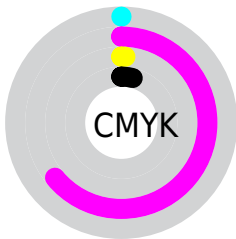
# Distribution



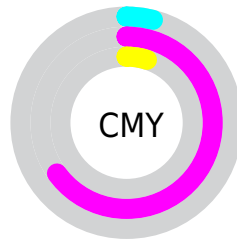
- Red (96%)
- Green (35%)
- Blue (95%)



- Red (96%)
- Yellow (35%)
- Blue (95%)



- Cyan (0%)
- Magenta (64%)
- Yellow (1%)
- Black (4%)




- Cyan (4%)
- Magenta (65%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6734, 33.0433, 88.1323 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 57.6734, 33.0433, 88.1323 by changing the saturation by 10% instead.




 57.6734, 33.0433,  
88.1323


 57.6734, 33.0433,  
88.1323

405.9414,  
315.8448, 542.3489

 41.7884, 22.1596,  
65.8677

 100.5728, 64.4431,  
146.6541


 29.1260, 13.9742,  
47.7092


 128.3179, 85.7281,  
183.7483

 19.3209, 8.1027,  
33.2383


 160.7471,  
111.2489, 226.6229

 12.0078, 4.1608,  
22.0364

 198.2256,  
141.3899, 275.6963

 6.8212, 1.7639,  
13.6851

241.1190,  
176.5357, 331.3870

 3.3959, 0.4645,  
7.7657

289.7925,

 1.3664, 0.0000,

217.0705, 394.1137

3.8598

344.6115,  
263.3787, 464.2948

■ 0.2321, 0.0000,  
1.5488

■ 0.0000, 0.0000,  
0.2539

■ 57.6734, 33.0433,  
88.1323

■ 57.6734, 33.0433,  
88.1323

■ 55.9140, 29.6363,  
87.1984

■ 60.1164, 37.8153,  
89.2955

■ 54.7627, 27.4463,  
86.4678

■ 63.3010, 44.0712,  
90.7065

■ 54.1332, 26.2995,  
85.9120

■ 67.2833, 51.9221,  
92.3844

■ 53.9330, 25.9637,  
85.6459

■ 72.1130, 61.4676,  
94.3455

77.8357, 72.7987,  
96.6052

84.4938, 86.0003,  
99.1777

90.4428, 97.7836,  
101.5146

90.5148, 97.8124,  
101.8934

90.5869, 97.8412,  
102.2732

# Harmonies

## Analogous

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



44.7035, 33.0433, 142.4805



57.6734, 33.0433, 88.1323



63.4390, 33.0433, 38.2572

# Triad

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



57.6734, 33.0433, 88.1323



32.1925, 33.0433, 1.4113



14.1798, 33.0433, 81.2917

# Complementary

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



57.6734, 33.0433, 88.1323



38.8701, 68.7430, 21.1194

# 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.



12.5169, 33.0433, 33.7922



57.6734, 33.0433, 88.1323



21.0486, 33.0433, 2.6256

# Square

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



57.6734, 33.0433, 88.1323



46.4336, 33.0433, 3.0350



14.6435, 33.0433, 9.9711



20.0316, 33.0433, 136.9659



# Rectangle

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



57.6734, 33.0433, 88.1323



61.4874, 33.0433, 17.9840



14.6435, 33.0433, 9.9711



13.1971, 33.0433, 63.1673

# Sweetspot

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



57.6746, 33.0448, 88.1330



81.3461, 72.8288, 103.6028



24.4041, 15.8404, 88.9613



17.0382, 14.8495, 22.0274



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.



57.6746, 33.0448, 88.1330



60.2413, 31.3342, 94.3635



48.2313, 29.2675, 38.4050



17.1993, 16.7626, 20.7958



28.7933, 13.8608, 45.7473



2.5349, 1.2199, 4.0432



# Inverse Universe

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



57.6746, 33.0448, 88.1330



60.2413, 31.3342, 94.3635



44.2029, 70.8761, 49.2014



17.1993, 16.7626, 20.7958



28.7933, 13.8608, 45.7473

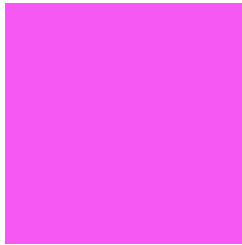


2.5349, 1.2199, 4.0432



# Previews

## White Background



This preview shows how the XYZ color 57.6734, 33.0433, 88.1323 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

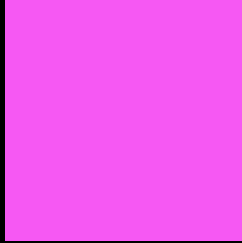
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.6734, 33.0433, 88.1323 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 57.6734, 33.0433, 88.1323**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.6734, 33.0433, 88.1323.



This preview shows how white text looks on a background with the XYZ color 57.6734, 33.0433,



# 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

57.6734, 33.0433, 88.1323

### Protanopia

36.2513, 33.5132, 99.1658

### Deuteranopia

34.1720, 33.3338, 80.9769



## Tritanopia

44.5931, 32.8544, 25.1103

# Trichromacy



## Original Color

57.6734, 33.0433, 88.1323



## Protanomaly

39.9608, 30.2426, 94.9980



## Deuteranomaly

38.9825, 30.3957, 83.1692



## Tritanomaly

48.1865, 32.2693, 42.2170

# Monochromacy



## Original Color

57.6734, 33.0433, 88.1323



## Achromatopsia

30.2779, 31.8547, 34.6897



## Achromatomaly

37.2067, 29.8105, 50.2474

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6734, 33.0433, 88.1323 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(246, 88, 243)` looks like.

```
.text, #text, p{  
    color:rgb(246, 88, 243)  
}
```

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(246, 88, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 88, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6734, 33.0433, 88.1323 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(246, 88, 243) }
```



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

```
.border{ border-color:rgb(246, 88, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 88, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 88, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 88, 243);  
box-shadow:4px 4px 4px 4px rgb(246, 88,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6734, 33.0433, 88.1323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 88, 243) }
```

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

```
.background{ background-color: rgb(246, 88,  
243) }
```

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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