

# Converting Colors

XYZ(46.7672, 33.0804, 27.7031)

Have a look what the booklet for  
XYZ(46.7672, 33.0804, 27.7031)  
contains.

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# Color

**XYZ(46.8118, 33.0540,  
27.5797)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F07589
RGB	240, 117, 137
RGB Percent	94%, 46%, 54%
CMY	0.0588, 0.5411, 0.4627
CMYK	0.00, 0.51, 0.43, 0.06
HSL	350°, 80%, 70%
HSV	350°, 51%, 94%
XYZ	46.8118, 33.0540, 27.5797
YIQ	156.0570, 66.8880, 32.2960

# Conversions

## Conversions Part 2

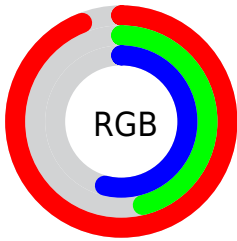
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 117, 137
Decimal	15758729
CIE <sub>Lab</sub>	64.20, 49.15, 11.74
CIE <sub>LCh</sub>	64, 50.532, 13.434
Yxy	33.0540, 0.4357, 0.3076
Android (android.graphics.Color)	4293948809 (0xFFFF07589)
YUV	156.0570, -9.3951, 73.6180
Hunter-Lab	57.4926, 44.7267, 11.8029

# Details

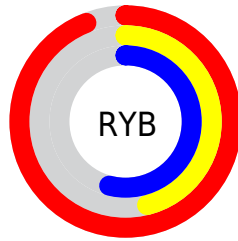
The XYZ color **46.8118, 33.0540, 27.5797** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **51.4163, 71.2701, 78.7612**, and the grayscale version is **31.6461, 33.2942, 36.2574**.

A 20% lighter version of the original color is **65.2868, 54.4828, 55.7904**, and **22.3202, 13.9464, 10.5324** is the 20% darker color. If you saturate the color by 10%, you get **43.0552, 27.6373, 19.8648**, and if you desaturate by 10%, it is **51.5554, 40.0149, 36.9492**.

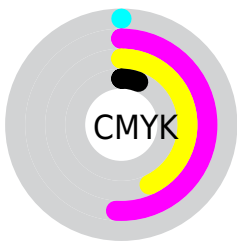
# Distribution



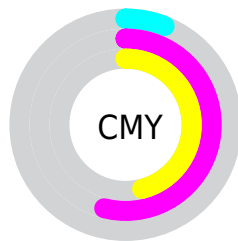
- Red (94%)
- Green (46%)
- Blue (54%)



- Red (94%)
- Yellow (46%)
- Blue (54%)



- Cyan (0%)
- Magenta (51%)
- Yellow (43%)
- Black (6%)




- Cyan (6%)
- Magenta (54%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8118, 33.0540, 27.5797 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 46.8118, 33.0540, 27.5797 by changing the saturation by 10% instead.




 46.8118, 33.0540,  
27.5797


 46.8118, 33.0540,  
27.5797


364.7243,  
315.8930, 304.3016


 33.0942, 22.1678,  
17.7728


 84.6531, 64.4598,  
56.8277

 22.3582, 13.9803,  
10.6192


 109.5075, 85.7483,  
77.1059

 14.2384, 8.1069,  
5.7005


 138.8049,  
111.2729, 101.7116

 8.3695, 4.1635,  
2.5980

172.9107,  
141.4181, 131.0633

 4.3861, 1.7654,  
0.8914

212.1901,  
176.5684, 165.5797

 1.9228, 0.4655,  
0.0000

257.0086,

 0.5900, 0.0000,

217.1080, 205.6791

0.0000

307.7316,  
263.4214, 251.7802

■ 0.0000, 0.0000,  
0.0000

■ 46.8118, 33.0540,  
27.5797

■ 46.8118, 33.0540,  
27.5797

■ 43.0552, 27.6373,  
19.8648

■ 51.5554, 40.0149,  
36.9492

■ 40.2122, 23.6418,  
13.7052

■ 57.3471, 48.6204,  
48.0607

■ 38.2029, 20.9342,  
8.9939


■ 64.2464, 58.9684,  
60.9976

■ 36.9321, 19.3533,  
5.6086

■ 72.3071, 71.1478,  
75.8374

■ 36.3015, 18.6718,  
3.6114

■ 81.5797, 85.2412,  
92.6530

 89.7451, 97.2652,  
108.6517

# Harmonies

## Analogous

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



46.5581, 33.0540, 48.4521



46.8118, 33.0540, 27.5797



42.5203, 33.0540, 15.1082

# Triad

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



46.8118, 33.0540, 27.5797



22.8651, 33.0540, 14.2696



27.6504, 33.0540, 88.6002

# Complementary

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



46.8118, 33.0540, 27.5797



51.4163, 71.2701, 78.7612

# 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.



22.4371, 33.0540, 70.5026



46.8118, 33.0540, 27.5797



19.9757, 33.0540, 25.8723

# Square

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



46.8118, 33.0540, 27.5797



28.3235, 33.0540, 9.6383



19.8319, 33.0540, 45.9572



34.7275, 33.0540, 89.6214



# Rectangle

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



46.8118, 33.0540, 27.5797



37.9896, 33.0540, 10.9781



19.8319, 33.0540, 45.9572



25.6496, 33.0540, 84.0707

# Sweetspot

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



46.8127, 33.0557, 27.5803



79.3034, 76.0829, 80.2950



51.4547, 34.1535, 86.3182



16.5547, 15.6509, 16.4142



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.



46.8127, 33.0557, 27.5803



49.4294, 31.7431, 22.8355



51.3741, 44.2651, 22.6683



15.8776, 15.8007, 16.9116



19.9038, 10.2340, 2.1443



1.6864, 0.8636, 0.3397



# Inverse Universe

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



46.8127, 33.0557, 27.5803



49.4294, 31.7431, 22.8355



43.4892, 50.9216, 89.9746



15.8776, 15.8007, 16.9116



19.9038, 10.2340, 2.1443



1.6864, 0.8636, 0.3397



# Previews

## White Background



This preview shows how the XYZ color 46.8118, 33.0540, 27.5797 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

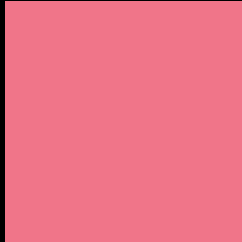
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.8118, 33.0540, 27.5797 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 46.8118, 33.0540, 27.5797**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.8118, 33.0540, 27.5797.



This preview shows how white text looks on a background with the XYZ color 46.8118, 33.0540,

27.5797.

# 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

46.8118, 33.0540, 27.5797

### Protanopia

31.9935, 33.1804, 37.0660

### Deuteranopia

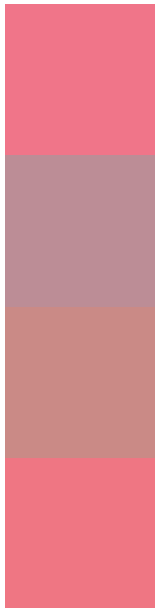
33.8936, 33.1819, 26.4482



## Tritanopia

46.0242, 33.0767, 24.0374

# Trichromacy



## Original Color

46.8118, 33.0540, 27.5797

## Protanomaly

35.7689, 31.9431, 33.1346

## Deuteranomaly

37.7487, 32.4547, 26.8291

## Tritanomaly

46.1718, 32.9463, 25.3985

# Monochromacy



## Original Color

46.8118, 33.0540, 27.5797

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

35.5913, 32.0807, 32.7501

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.8118, 33.0540, 27.5797 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(240, 117, 137)` looks like.

```
.text, #text, p{  
    color:rgb(240, 117, 137)  
}
```

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(240, 117, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 117, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 46.8118, 33.0540, 27.5797 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(240, 117, 137) }
```



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

```
.border{ border-color:rgb(240, 117, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 117, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 117, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 117, 137);  
box-shadow:4px 4px 4px 4px rgb(240, 117,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.8118, 33.0540, 27.5797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 117, 137) }
```

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

```
.background{ background-color: rgb(240,  
117, 137) }
```

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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