

Converting Colors

XYZ(50.9284, 33.3316, 27.6802)

Have a look what the booklet for
XYZ(50.9284, 33.3316, 27.6802)
contains.

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Color

**XYZ(50.9815, 33.4030,
27.8052)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6A8A
RGB	255, 106, 138
RGB Percent	100%, 42%, 54%
CMY	0.0000, 0.5843, 0.4588
CMYK	0.00, 0.58, 0.46, 0.00
HSL	347°, 100%, 71%
HSV	347°, 58%, 100%
XYZ	50.9815, 33.4030, 27.8052
YIQ	154.1990, 78.5320, 41.5400

Conversions

Conversions Part 2

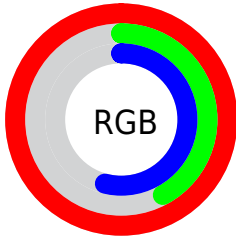
Format	Color
R _Y B	255, 106, 138
Decimal	16738954
CIE Lab	64.49, 59.33, 11.88
CIE LCh	64, 60.507, 11.324
Yxy	33.4030, 0.4544, 0.2977
Android (android.graphics.Color)	4294929034 (0xFFFF6A8A)
YUV	154.1990, -7.9861, 88.4025
Hunter-Lab	57.7953, 56.3138, 11.9324

Details

The XYZ color **50.9815, 33.4030, 27.8052** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **55.0251, 79.9127, 82.3419**, and the grayscale version is **30.8136, 32.4183, 35.3035**.

A 20% lighter version of the original color is **63.5643, 50.8622, 55.7574**, and **24.7703, 14.0751, 10.6437** is the 20% darker color. If you saturate the color by 10%, you get **47.4146, 28.3795, 20.1109**, and if you desaturate by 10%, it is **55.5984, 40.0990, 37.1687**.

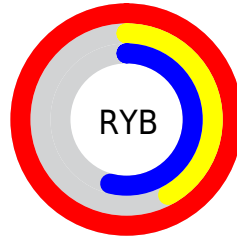
Distribution



Red (100%)

Green (42%)

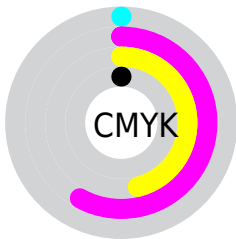
Blue (54%)



Red (100%)

Yellow (42%)

Blue (54%)

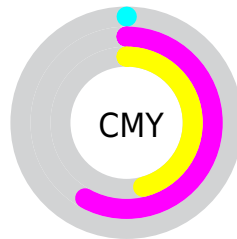


Cyan (0%)

Magenta (58%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9815, 33.4030, 27.8052 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 50.9815, 33.4030, 27.8052 by changing the saturation by 10% instead.


 50.9815, 33.4030,
27.8052


 50.9815, 33.4030,
27.8052


380.8808,
317.4618, 305.4175


 36.4149, 22.4353,
17.9411


 90.8106, 65.0042,
57.1926


 24.9264, 14.1771,
10.7387


 116.8037, 86.4065,
77.5531

 16.1506, 8.2440,
5.7795


 147.3364,
112.0559, 102.2493

 9.7223, 4.2515,
2.6448

 182.7741,
142.3367, 131.7000

 5.2761, 1.8152,
0.9155

223.4820,
177.6333, 166.3236

 2.4466, 0.4966,
0.0000

269.8255,

 0.8684, 0.0000,

218.3300, 206.5387

0.0000

322.1699,
264.8114, 252.7638

■ 0.0000, 0.0000,
0.0000

■ 50.9815, 33.4030,
27.8052

■ 50.9815, 33.4030,
27.8052

■ 47.4146, 28.3795,
20.1109

■ 55.5984, 40.0990,
37.1687

■ 44.8089, 24.8741,
13.9829

■ 61.3392, 48.5931,
48.2922

■ 43.0644, 22.7129,
9.3084

■ 68.2738, 59.0052,
61.2617

■ 42.0447, 21.6515,
5.9532

■ 76.4657, 71.4430,
76.1571

■ 41.9237, 21.5335,
5.5305

■ 85.9737, 86.0064,
93.0534

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.



50.2293, 33.4030, 53.8304



50.9815, 33.4030, 27.8052



45.9292, 33.4030, 13.1321

Triad

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



50.9815, 33.4030, 27.8052



21.9941, 33.4030, 11.0641



26.7208, 33.4030, 102.6213

Complementary

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



50.9815, 33.4030, 27.8052



55.0251, 79.9127, 82.3419

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.



20.8359, 33.4030, 77.6983



50.9815, 33.4030, 27.8052



18.4683, 33.4030, 23.1640

Square

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



50.9815, 33.4030, 27.8052



28.5970, 33.4030, 6.8231



18.0868, 33.4030, 46.5349



35.1235, 33.4030, 105.8061

Rectangle

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



50.9815, 33.4030, 27.8052



40.4056, 33.4030, 8.5615



18.0868, 33.4030, 46.5349



24.4258, 33.4030, 96.1144

Sweetspot

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



50.9824, 33.4048, 27.8058



76.8454, 72.0222, 76.8389



53.5496, 33.1731, 98.1883



15.9058, 14.5894, 15.4701



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.



50.9824, 33.4048, 27.8058



46.9437, 27.7319, 19.0466



54.4668, 43.5505, 19.1734



18.1690, 18.0509, 19.5069



21.9502, 11.2694, 3.1222



2.1753, 1.1125, 0.5046

Inverse Universe

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



50.9824, 33.4048, 27.8058



46.9437, 27.7319, 19.0466



47.7352, 57.7654, 103.2416



18.1690, 18.0509, 19.5069



21.9502, 11.2694, 3.1222



2.1753, 1.1125, 0.5046

Previews

White Background



This preview shows how the XYZ color 50.9815, 33.4030, 27.8052 looks on a white background.

Color Contrast Check

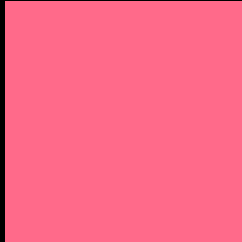
Large Text (above 18pt) WCAG AA × Fail

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 50.9815, 33.4030, 27.8052 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 50.9815, 33.4030, 27.8052

Background



This preview shows how black text looks on a background with the XYZ color 50.9815, 33.4030, 27.8052.



This preview shows how white text looks on a background with the XYZ color 50.9815, 33.4030,

27.8052.

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

50.9815, 33.4030, 27.8052

Protanopia

32.5846, 33.6616, 40.3773

Deuteranopia

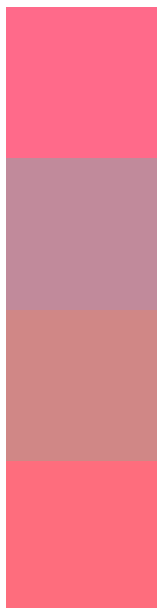
34.2194, 33.5957, 26.1538



Tritanopia

49.6599, 33.5070, 20.6798

Trichromacy



Original Color

50.9815, 33.4030, 27.8052

Protanomaly

36.9972, 31.8810, 35.2140

Deuteranomaly

38.9795, 32.4591, 26.7650

Tritanomaly

50.0434, 33.4888, 23.2284

Monochromacy



Original Color

50.9815, 33.4030, 27.8052

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

35.7768, 31.1058, 32.1354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9815, 33.4030, 27.8052 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, 106, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 138)  
}
```

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, 106, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 138) }
```

Border

The CSS property to change the border of an element to XYZ 50.9815, 33.4030, 27.8052 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, 106, 138) }
```


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

```
.border{ border-color:rgb(255, 106, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9815, 33.4030, 27.8052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 138) }
```

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

```
.background{ background-color: rgb(255,  
106, 138) }
```

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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