

Converting Colors

XYZ(48.6167, 31.8129, 17.3385)

Have a look what the booklet for
XYZ(48.6167, 31.8129, 17.3385)
contains.

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Color

**XYZ(48.5929, 31.8033,
17.2132)**

Conversions

Conversions Part 1

Format	Color
Hex	FF666A
RGB	255, 102, 106
RGB Percent	100%, 40%, 42%
CMY	0.0000, 0.6000, 0.5843
CMYK	0.00, 0.60, 0.58, 0.00
HSL	358°, 100%, 70%
HSV	358°, 60%, 100%
XYZ	48.5929, 31.8033, 17.2132
YIQ	148.2030, 89.9040, 33.6800

Conversions

Conversions Part 2

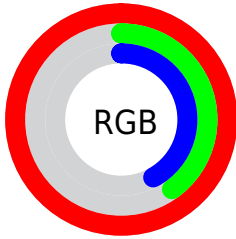
Format	Color
R _Y B	255, 102, 106
Decimal	16737898
CIE Lab	63.18, 58.51, 28.37
CIE LCh	63, 65.029, 25.870
Yxy	31.8033, 0.4978, 0.3258
Android (android.graphics.Color)	4294927978 (0xFFFF666A)
YUV	148.2030, -20.8061, 93.6610
Hunter-Lab	56.3944, 55.1164, 21.3791

Details

The XYZ color **48.5929, 31.8033, 17.2132** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.6542, 81.3106, 103.8763**, and the grayscale version is **28.2921, 29.7655, 32.4147**.

A 20% lighter version of the original color is **59.5527, 48.1480, 38.0530**, and **23.3915, 13.2500, 5.4623** is the 20% darker color. If you saturate the color by 10%, you get **45.3509, 27.0958, 10.6571**, and if you desaturate by 10%, it is **52.9807, 38.2047, 25.9962**.

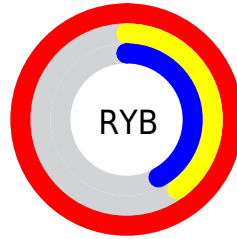
Distribution



Red (100%)

Green (40%)

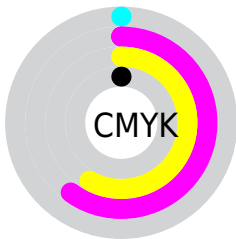
Blue (42%)



Red (100%)

Yellow (40%)

Blue (42%)

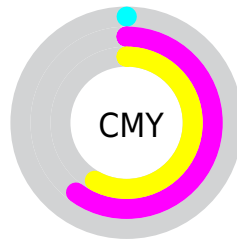


Cyan (0%)

Magenta (60%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5929, 31.8033, 17.2132 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 48.5929, 31.8033, 17.2132 by changing the saturation by 10% instead.


 48.5929, 31.8033,
17.2132

 48.5929, 31.8033,
17.2132


371.6810,
310.2222, 248.4834


 34.5099, 21.2113,
10.2231


 87.2909, 62.5026,
39.4876


 23.4503, 13.2785,
5.4396


 112.6365, 83.3787,
55.6090

 15.0489, 7.6206,
2.4442


 142.4671,
108.4516, 75.6112

 8.9402, 3.8532,
0.8104

 177.1479,
138.1057, 99.9128

 4.7590, 1.5918,
0.0000

217.0444,
172.7255, 128.9322

 2.1399, 0.3520,
0.0000

262.5218,

 0.7108, 0.0000,

212.6952, 163.0881

0.0000

313.9456,
258.3993, 202.7990

■ 0.0000, 0.0000,
0.0000

■ 48.5929, 31.8033,
17.2132

■ 48.5929, 31.8033,
17.2132

■ 45.3509, 27.0958,
10.6571

■ 52.9807, 38.2047,
25.9962

■ 43.1460, 23.9171,
6.1265

■ 58.6054, 46.4345,
37.1801

■ 41.8524, 22.0787,
3.3867

■ 65.5514, 56.6195,
50.9238

■ 41.2764, 21.2747,
2.1222

■ 73.8953, 68.8741,
67.3719

■ 41.2763, 21.2745,
2.1219

■ 83.7075, 83.3035,
86.6584

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



50.9445, 31.8033, 38.3156



48.5929, 31.8033, 17.2132



40.9959, 31.8033, 7.6949

Triad

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



48.5929, 31.8033, 17.2132



18.0625, 31.8033, 13.6233



29.0008, 31.8033, 111.1479

Complementary

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



48.5929, 31.8033, 17.2132



58.6542, 81.3106, 103.8763

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.



21.5330, 31.8033, 93.8648



48.5929, 31.8033, 17.2132



16.0619, 31.8033, 31.1857

Square

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



48.5929, 31.8033, 17.2132



23.2982, 31.8033, 6.4601



17.1941, 31.8033, 61.0192



38.4116, 31.8033, 100.9644

Rectangle

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



48.5929, 31.8033, 17.2132



34.6453, 31.8033, 5.3944



17.1941, 31.8033, 61.0192



26.2032, 31.8033, 108.1964

Sweetspot

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



48.5937, 31.8051, 17.2137



75.7350, 71.5780, 70.9916



62.1907, 37.0300, 98.4771



15.6407, 14.4833, 14.0740



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.



48.5937, 31.8051, 17.2137



44.8299, 26.3420, 9.5940



58.6598, 52.2620, 19.5686



18.0286, 17.9947, 18.7677



21.5761, 11.1197, 1.1524



2.1072, 1.0853, 0.1462

Inverse Universe

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



48.5937, 31.8051, 17.2137



44.8299, 26.3420, 9.5940



40.5888, 44.1620, 100.9922



18.0286, 17.9947, 18.7677



21.5761, 11.1197, 1.1524



2.1072, 1.0853, 0.1462

Previews

White Background



This preview shows how the XYZ color 48.5929, 31.8033, 17.2132 looks on a white background.

Color Contrast Check

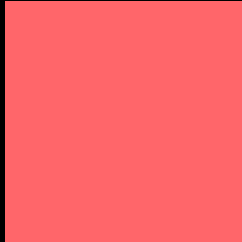
Large Text (above 18pt) WCAG AA × Fail

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 48.5929, 31.8033, 17.2132 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 48.5929, 31.8033, 17.2132

Background



This preview shows how black text looks on a background with the XYZ color 48.5929, 31.8033, 17.2132.



This preview shows how white text looks on a background with the XYZ color 48.5929, 31.8033,

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

48.5929, 31.8033, 17.2132

Protanopia

30.1878, 32.0224, 25.0119

Deuteranopia

32.5386, 31.7729, 16.2222



Tritanopia

48.6981, 31.8455, 17.7675

Trichromacy



Original Color

48.5929, 31.8033, 17.2132

Protanomaly

34.6802, 30.1420, 21.7594

Deuteranomaly

36.9592, 30.6262, 16.5339

Tritanomaly

48.6452, 31.8243, 17.4887

Monochromacy



Original Color

48.5929, 31.8033, 17.2132

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.8435, 28.4908, 25.9585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5929, 31.8033, 17.2132 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, 102, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 106)  
}
```

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, 102, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 106) }
```

Border

The CSS property to change the border of an element to XYZ 48.5929, 31.8033, 17.2132 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, 102, 106) }
```


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

```
.border{ border-color:rgb(255, 102, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5929, 31.8033, 17.2132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 106) }
```

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

```
.background{ background-color: rgb(255,  
102, 106) }
```

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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