

Converting Colors

XYZ(48.0431, 30.8060, 16.7147)

Have a look what the booklet for
XYZ(48.0431, 30.8060, 16.7147)
contains.

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Color

**XYZ(48.0645, 30.8293,
16.7820)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6169
RGB	255, 97, 105
RGB Percent	100%, 38%, 41%
CMY	0.0000, 0.6196, 0.5882
CMYK	0.00, 0.62, 0.59, 0.00
HSL	357°, 100%, 69%
HSV	357°, 62%, 100%
XYZ	48.0645, 30.8293, 16.7820
YIQ	145.1540, 91.6000, 35.9840

Conversions

Conversions Part 2

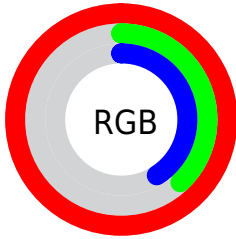
Format	Color
R _Y B	255, 97, 105
Decimal	16736617
CIE Lab	62.36, 60.58, 27.88
CIE LCh	62, 66.684, 24.711
Yxy	30.8293, 0.5024, 0.3222
Android (android.graphics.Color)	4294926697 (0xFFFF6169)
YUV	145.1540, -19.7959, 96.3349
Hunter-Lab	55.5241, 57.3514, 20.9467

Details

The XYZ color **48.0645, 30.8293, 16.7820** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.4804, 80.7775, 100.5645**, and the grayscale version is **27.0295, 28.4371, 30.9680**.

A 20% lighter version of the original color is **58.7964, 46.7715, 37.3814**, and **23.1030, 12.7140, 5.2394** is the 20% darker color. If you saturate the color by 10%, you get **45.0030, 26.4224, 10.4716**, and if you desaturate by 10%, it is **52.2386, 36.8951, 25.2107**.

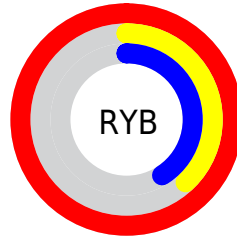
Distribution



Red (100%)

Green (38%)

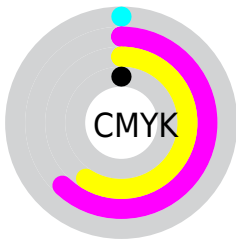
Blue (41%)



Red (100%)

Yellow (38%)

Blue (41%)

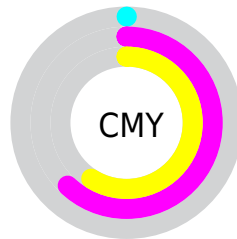


Cyan (0%)

Magenta (62%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0645, 30.8293, 16.7820 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 48.0645, 30.8293, 16.7820 by changing the saturation by 10% instead.


 48.0645, 30.8293,
16.7820


 48.0645, 30.8293,
16.7820

369.6261,
305.7511, 245.9142

 34.0894, 20.4689,
9.9189


 86.5095, 60.9712,
38.7361

 23.1255, 12.7363,
5.2403


 111.7102, 81.5215,
54.6641

 14.8074, 7.2472,
2.3277


 141.3835,
106.2373, 74.4509

 8.7698, 3.6172,
0.7467

 175.8947,
135.5028, 98.5149

 4.6472, 1.4618,
0.0000

215.6092,
169.7026, 127.2747

 2.0744, 0.2616,
0.0000

260.8924,

 0.6752, 0.0000,

209.2210, 161.1488

0.0000

312.1095,
254.4424, 200.5558

■ 0.0000, 0.0000,
0.0000

■ 48.0645, 30.8293,
16.7820

■ 48.0645, 30.8293,
16.7820

■ 45.0030, 26.4224,
10.4716

■ 52.2386, 36.8951,
25.2107

■ 42.9453, 23.5059,
6.0899

■ 57.6158, 44.7566,
35.9219

■ 41.7648, 21.8847,
3.4160

■ 64.2802, 54.5424,
49.0655

■ 41.3118, 21.2887,
2.3091

■ 72.3073, 66.3679,
64.7781

■ 81.7671, 80.3393,
83.1861

92.7247, 96.5555,
104.4078

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.



50.2031, 30.8293, 38.3609



48.0645, 30.8293, 16.7820



40.5152, 30.8293, 7.1472

Triad

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



48.0645, 30.8293, 16.7820



17.2965, 30.8293, 12.2633



27.7316, 30.8293, 111.3670

Complementary

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



48.0645, 30.8293, 16.7820



57.4804, 80.7775, 100.5645

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.



20.3764, 30.8293, 92.6775



48.0645, 30.8293, 16.7820



15.1958, 30.8293, 29.1917

Square

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



48.0645, 30.8293, 16.7820



22.6295, 30.8293, 5.6349



16.1951, 30.8293, 58.9281



37.1727, 30.8293, 101.9894

Rectangle

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



48.0645, 30.8293, 16.7820



34.1209, 30.8293, 4.8271



16.1951, 30.8293, 58.9281



24.9602, 30.8293, 107.9602

Sweetspot

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



48.0652, 30.8310, 16.7825



74.9527, 70.2714, 69.9353



59.7959, 35.0879, 98.2283



15.4949, 14.2322, 13.9005



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.



48.0652, 30.8310, 16.7825



44.5049, 25.7112, 9.4263



56.9383, 49.2040, 17.8080



18.0466, 18.0020, 18.8626



21.6018, 11.1300, 1.2875



2.1158, 1.0887, 0.1912

Inverse Universe

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



48.0652, 30.8310, 16.7825



44.5049, 25.7112, 9.4263



40.6530, 45.1065, 101.1711



18.0466, 18.0020, 18.8626



21.6018, 11.1300, 1.2875



2.1158, 1.0887, 0.1912

Previews

White Background



This preview shows how the XYZ color 48.0645, 30.8293, 16.7820 looks on a white background.

Color Contrast Check

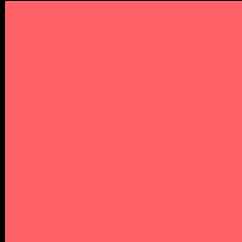
Large Text (above 18pt) WCAG AA × Fail

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 48.0645, 30.8293, 16.7820 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 48.0645, 30.8293, 16.7820

Background



This preview shows how black text looks on a background with the XYZ color 48.0645, 30.8293, 16.7820.



This preview shows how white text looks on a background with the XYZ color 48.0645, 30.8293,

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

48.0645, 30.8293, 16.7820

Protanopia

29.3271, 31.0891, 25.2240

Deuteranopia

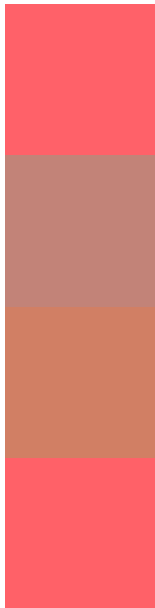
31.4223, 30.7547, 15.5894



Tritanopia

47.9629, 30.7887, 16.2468

Trichromacy



Original Color

48.0645, 30.8293, 16.7820

Protanomaly

33.7546, 29.0580, 21.5990

Deuteranomaly

36.1841, 29.6542, 15.8733

Tritanomaly

48.0134, 30.8089, 16.5128

Monochromacy



Original Color

48.0645, 30.8293, 16.7820

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.7560, 27.3643, 24.7272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0645, 30.8293, 16.7820 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, 97, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 105)  
}
```

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, 97, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 105) }
```

Border

The CSS property to change the border of an element to XYZ 48.0645, 30.8293, 16.7820 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, 97, 105) }
```


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

```
.border{ border-color:rgb(255, 97, 105) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0645, 30.8293, 16.7820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 105) }
```

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

```
.background{ background-color: rgb(255, 97,  
105) }
```

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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