

Converting Colors

XYZ(57.1200, 34.9580, 18.9673)

Have a look what the booklet for
XYZ(57.1200, 34.9580, 18.9673)
contains.

XYZ(48.0790, 30.2586, 18.6357)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.0790, 30.2586,
18.6357)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5D70
RGB	255, 93, 112
RGB Percent	100%, 36%, 44%
CMY	0.0000, 0.6353, 0.5608
CMYK	0.00, 0.64, 0.56, 0.00
HSL	353°, 100%, 68%
HSV	353°, 64%, 100%
XYZ	48.0790, 30.2586, 18.6357
YIQ	143.6040, 90.4530, 40.2530

Conversions

Conversions Part 2

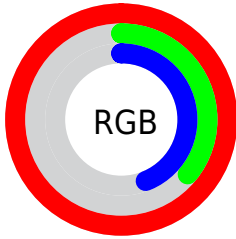
Format	Color
R _Y B	255, 93, 112
Decimal	16735600
CIE Lab	61.88, 62.72, 23.23
CIE LCh	62, 66.878, 20.323
Yxy	30.2586, 0.4958, 0.3120
Android (android.graphics.Color)	4294925680 (0xFFFF5D70)
YUV	143.6040, -15.5808, 97.6943
Hunter-Lab	55.0078, 59.7524, 18.4190

Details

The XYZ color **48.0790, 30.2586, 18.6357** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted rose. A complement of this color would be **55.4167, 79.9040, 91.8660**, and the grayscale version is **26.3867, 27.7609, 30.2316**.

A 20% lighter version of the original color is **58.8472, 45.7530, 40.8516**, and **23.1076, 12.4186, 6.1802** is the 20% darker color. If you saturate the color by 10%, you get **45.1013, 26.0647, 12.2134**, and if you desaturate by 10%, it is **52.1173, 36.0728, 26.9576**.

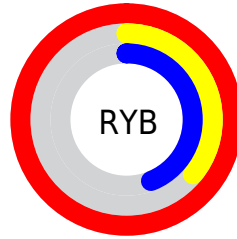
Distribution



Red (100%)

Green (36%)

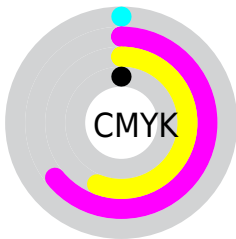
Blue (44%)



Red (100%)

Yellow (36%)

Blue (44%)

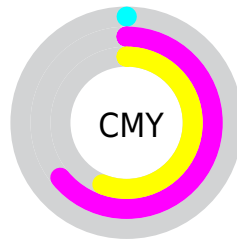


Cyan (0%)

Magenta (64%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (64%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0790, 30.2586, 18.6357 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 48.0790, 30.2586, 18.6357 by changing the saturation by 10% instead.


 48.0790, 30.2586,
18.6357


 48.0790, 30.2586,
18.6357


369.6826,
303.1080, 256.7855


 34.1010, 20.0350,
11.2332


 86.5310, 60.0709,
41.9461


 23.1344, 12.4205,
6.1078


 111.7357, 80.4283,
58.6910

 14.8140, 7.0307,
2.8409


 141.4133,
104.9325, 79.3872

 8.7744, 3.4813,
1.0140

 175.9291,
133.9678, 104.4532

 4.6503, 1.3879,
0.0000

215.6487,
167.9186, 134.3074

 2.0762, 0.2078,
0.0000

260.9372,

 0.6762, 0.0000,

207.1693, 169.3686

0.0000

312.1600,
252.1043, 210.0551

■ 0.0000, 0.0000,
0.0000

■ 48.0790, 30.2586,
18.6357

■ 48.0790, 30.2586,
18.6357

■ 45.1013, 26.0647,
12.2134

■ 52.1173, 36.0728,
26.9576

■ 43.0807, 23.3216,
7.5379

■ 57.3023, 43.6446,
37.3122

■ 41.8962, 21.8312,
4.4350

■ 63.7135, 53.1023,
49.8224

■ 41.4728, 21.3531,
3.1569

■ 71.4229, 64.5610,
64.6009

■ 80.4968, 78.1264,
81.7524

90.9970, 93.8969,
101.3753

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.



49.2510, 30.2586, 41.9345



48.0790, 30.2586, 18.6357



41.1903, 30.2586, 7.7254

Triad

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



48.0790, 30.2586, 18.6357



17.4547, 30.2586, 10.4506



25.9659, 30.2586, 109.2043

Complementary

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



48.0790, 30.2586, 18.6357



55.4167, 79.9040, 91.8660

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.



19.1216, 30.2586, 87.2181



48.0790, 30.2586, 18.6357



14.9248, 30.2586, 25.3443

Square

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



48.0790, 30.2586, 18.6357



23.1934, 30.2586, 4.9865



15.4642, 30.2586, 53.1727



35.1526, 30.2586, 104.0330

Rectangle

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



48.0790, 30.2586, 18.6357



34.9452, 30.2586, 4.9328



15.4642, 30.2586, 53.1727



23.3513, 30.2586, 104.4415

Sweetspot

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



48.0797, 30.2603, 18.6362



75.3566, 70.4330, 72.0627



55.7005, 32.4417, 97.9334



15.5902, 14.2703, 14.4027



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.



48.0797, 30.2603, 18.6362



44.5165, 25.2577, 10.9000



54.5104, 44.6390, 16.1015



18.0960, 18.0217, 19.1225



21.6977, 11.1684, 1.7926



2.1391, 1.0980, 0.3138

Inverse Universe

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



48.0797, 30.2603, 18.6362



44.5165, 25.2577, 10.9000



42.2158, 48.8489, 101.8111



18.0960, 18.0217, 19.1225



21.6977, 11.1684, 1.7926



2.1391, 1.0980, 0.3138

Previews

White Background



This preview shows how the XYZ color 48.0790, 30.2586, 18.6357 looks on a white background.

Color Contrast Check

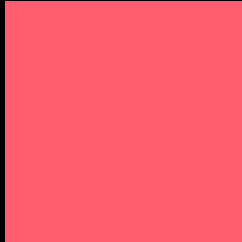
Large Text (above 18pt) WCAG AA × Fail

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 48.0790, 30.2586, 18.6357 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 48.0790, 30.2586, 18.6357

Background



This preview shows how black text looks on a background with the XYZ color 48.0790, 30.2586, 18.6357.



This preview shows how white text looks on a background with the XYZ color 48.0790, 30.2586,

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

48.0790, 30.2586, 18.6357

Protanopia

28.8525, 30.2984, 28.3723

Deuteranopia

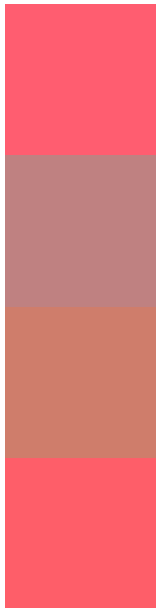
30.9116, 30.2281, 17.3021



Tritanopia

47.3142, 30.1948, 15.6464

Trichromacy



Original Color

48.0790, 30.2586, 18.6357

Protanomaly

33.2986, 28.3619, 24.4882

Deuteranomaly

35.7196, 28.9942, 17.6237

Tritanomaly

47.4256, 30.0962, 16.6741

Monochromacy



Original Color

48.0790, 30.2586, 18.6357

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

31.2656, 26.5235, 25.3015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0790, 30.2586, 18.6357 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, 93, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 112)  
}
```

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, 93, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 112) }
```

Border

The CSS property to change the border of an element to XYZ 48.0790, 30.2586, 18.6357 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, 93, 112) }
```


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

```
.border{ border-color:rgb(255, 93, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 93, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 93, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 93, 112); box-shadow:4px 4px 4px 4px rgb(255, 93, 112) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0790, 30.2586, 18.6357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 112) }
```

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

```
.background{ background-color: rgb(255, 93,  
112) }
```

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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