

Converting Colors

XYZ(48.8473, 31.9064, 18.5489)

Have a look what the booklet for
XYZ(48.8473, 31.9064, 18.5489)
contains.

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Color

**XYZ(48.8606, 31.9104,
18.6230)**

Conversions

Conversions Part 1

Format	Color
Hex	FF666F
RGB	255, 102, 111
RGB Percent	100%, 40%, 44%
CMY	0.0000, 0.6000, 0.5647
CMYK	0.00, 0.60, 0.56, 0.00
HSL	356°, 100%, 70%
HSV	356°, 60%, 100%
XYZ	48.8606, 31.9104, 18.6230
YIQ	148.7730, 88.2990, 35.2350

Conversions

Conversions Part 2

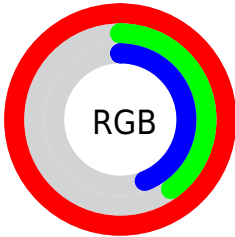
Format	Color
R_{YB}	255, 102, 111
Decimal	16737903
CIE _{Lab}	63.27, 58.86, 25.65
CIE _{LCh}	63, 64.209, 23.548
Yxy	31.9104, 0.4916, 0.3210
Android (android.graphics.Color)	4294927983 (0xFFFF666F)
YUV	148.7730, -18.6221, 93.1611
Hunter-Lab	56.4893, 55.5379, 19.9962

Details

The XYZ color **48.8606, 31.9104, 18.6230** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.8761, 80.9993, 99.7792**, and the grayscale version is **28.5227, 30.0081, 32.6788**.

A 20% lighter version of the original color is **60.0777, 48.3581, 40.8179**, and **23.4993, 13.2931, 6.0299** is the 20% darker color. If you saturate the color by 10%, you get **45.5798, 27.1873, 11.8621**, and if you desaturate by 10%, it is **53.2684, 38.3198, 27.5113**.

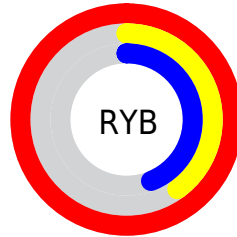
Distribution



Red (100%)

Green (40%)

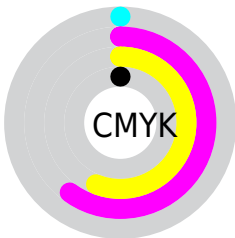
Blue (44%)



Red (100%)

Yellow (40%)

Blue (44%)

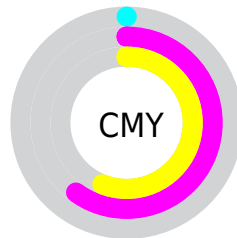


Cyan (0%)

Magenta (60%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8606, 31.9104, 18.6230 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 48.8606, 31.9104, 18.6230 by changing the saturation by 10% instead.


 48.8606, 31.9104,
18.6230


 48.8606, 31.9104,
18.6230


372.7193,
310.7109, 256.7125


 34.7230, 21.2931,
11.2241


 87.6863, 62.6706,
41.9243


 23.6151, 13.3384,
6.1017


 113.1052, 83.5823,
58.6637

 15.1715, 7.6620,
2.8373


 143.0152,
108.6941, 79.3538

 9.0270, 3.8794,
1.0121

 177.7816,
138.3907, 104.4131

 4.8160, 1.6063,
0.0000

217.7699,
173.0562, 134.2600

 2.1734, 0.3619,
0.0000

263.3454,

 0.7286, 0.0000,

213.0752, 169.3132

0.0000

314.8734,
258.8319, 209.9912

■ 0.0000, 0.0000,
0.0000

■ 48.8606, 31.9104,
18.6230

■ 48.8606, 31.9104,
18.6230

■ 45.5798, 27.1873,
11.8621

■ 53.2684, 38.3198,
27.5113

■ 43.3212, 23.9872,
7.0491

■ 58.8908, 46.5487,
38.6833

■ 41.9646, 22.1236,
3.9777

■ 65.8094, 56.7227,
52.2823

■ 41.3261, 21.2946,
2.3839

■ 74.0980, 68.9552,
68.4395

■ 41.3260, 21.2944,
2.3836

■ 83.8250, 83.3505,
87.2767

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.



50.6909, 31.9104, 40.5437



48.8606, 31.9104, 18.6230



41.6659, 31.9104, 8.3655

Triad

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



48.8606, 31.9104, 18.6230



18.5504, 31.9104, 13.0151



28.4487, 31.9104, 109.6565

Complementary

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



48.8606, 31.9104, 18.6230



57.8761, 80.9993, 99.7792

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.



21.2625, 31.9104, 90.8946



48.8606, 31.9104, 18.6230



16.3143, 31.9104, 29.5274

Square

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



48.8606, 31.9104, 18.6230



23.9986, 31.9104, 6.4113



17.2000, 31.9104, 58.2113



37.6869, 31.9104, 101.7480

Rectangle

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



48.8606, 31.9104, 18.6230



35.4349, 31.9104, 5.7626



17.2000, 31.9104, 58.2113



25.7403, 31.9104, 106.0501

Sweetspot

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



48.8614, 31.9122, 18.6235



75.9232, 71.6533, 71.9825



60.3887, 36.1011, 98.3927



15.6854, 14.5012, 14.3096



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.



48.8614, 31.9122, 18.6235



45.0490, 26.4296, 10.7478



57.6976, 50.3374, 19.2479



18.0527, 18.0044, 18.8944



21.6106, 11.1335, 1.3339



2.1187, 1.0898, 0.2063

Inverse Universe

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



48.8614, 31.9122, 18.6235



45.0490, 26.4296, 10.7478



41.6644, 46.3131, 101.3507



18.0527, 18.0044, 18.8944



21.6106, 11.1335, 1.3339



2.1187, 1.0898, 0.2063

Previews

White Background



This preview shows how the XYZ color 48.8606, 31.9104, 18.6230 looks on a white background.

Color Contrast Check

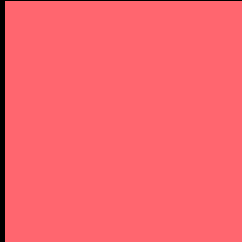
Large Text (above 18pt) WCAG AA × Fail

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 48.8606, 31.9104, 18.6230 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 48.8606, 31.9104, 18.6230

Background



This preview shows how black text looks on a background with the XYZ color 48.8606, 31.9104, 18.6230.



This preview shows how white text looks on a background with the XYZ color 48.8606, 31.9104,

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

48.8606, 31.9104, 18.6230

Protanopia

30.3923, 32.0808, 27.1446

Deuteranopia

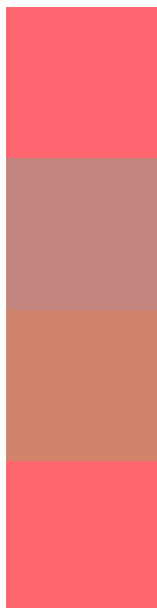
32.6996, 32.0573, 17.5609



Tritanopia

48.7517, 31.8669, 18.0494

Trichromacy



Original Color

48.8606, 31.9104, 18.6230

Protanomaly

34.7967, 30.1587, 23.7259

Deuteranomaly

37.3485, 30.9958, 17.9242

Tritanomaly

48.8058, 31.8885, 18.3346

Monochromacy



Original Color

48.8606, 31.9104, 18.6230

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

33.3635, 28.9432, 26.7498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8606, 31.9104, 18.6230 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 111) }
```

Border

The CSS property to change the border of an element to XYZ 48.8606, 31.9104, 18.6230 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, 111) }
```


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

```
.border{ border-color:rgb(255, 102, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8606, 31.9104, 18.6230 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, 111) }
```

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

```
.background{ background-color: rgb(255,  
102, 111) }
```

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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