

Converting Colors

XYZ(75.2488, 44.6981, 21.8373)

Have a look what the booklet for
XYZ(75.2488, 44.6981, 21.8373)
contains.

| | |
|--|----|
| XYZ(48.7847, 31.1174, 20.5746) | 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(48.7847, 31.1174,
20.5746)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF6176 |
| RGB | 255, 97, 118 |
| RGB Percent | 100%, 38%, 46% |
| CMY | 0.0000, 0.6196, 0.5373 |
| CMYK | 0.00, 0.62, 0.54, 0.00 |
| HSL | 352°, 100%, 69% |
| HSV | 352°, 62%, 100% |
| XYZ | 48.7847, 31.1174, 20.5746 |
| YIQ | 146.6360, 87.4270, 40.0270 |

Conversions

Conversions Part 2

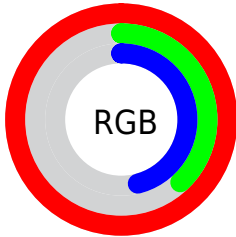
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 97, 118 |
| Decimal | 16736630 |
| CIE Lab | 62.61, 61.51, 20.76 |
| CIE LCh | 63, 64.918, 18.651 |
| Yxy | 31.1174, 0.4855, 0.3097 |
| Android (android.graphics.Color) | 4294926710 (0xFFFF6176) |
| YUV | 146.6360, -14.1175, 95.0352 |
| Hunter-Lab | 55.7830, 58.4860, 17.1800 |

Details

The XYZ color **48.7847, 31.1174, 20.5746** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.5431, 80.0026, 90.3628**, and the grayscale version is **27.6154, 29.0536, 31.6394**.

A 20% lighter version of the original color is **60.0513, 47.2735, 43.9899**, and **23.6988, 12.9817, 7.0510** is the 20% darker color. If you saturate the color by 10%, you get **45.6318, 26.6740, 13.7831**, and if you desaturate by 10%, it is **53.0040, 37.2013, 29.2415**.

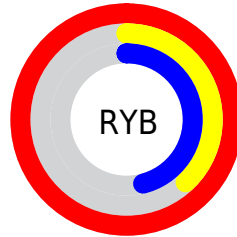
Distribution



Red (100%)

Green (38%)

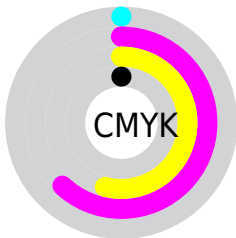
Blue (46%)



Red (100%)

Yellow (38%)

Blue (46%)

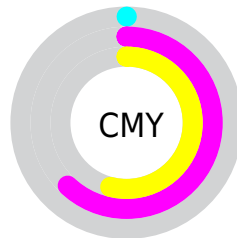


Cyan (0%)

Magenta (62%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (62%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7847, 31.1174, 20.5746 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 48.7847, 31.1174, 20.5746 by changing the saturation by 10% instead.


 48.7847, 31.1174,
20.5746

 48.7847, 31.1174,
20.5746


372.4251,
307.0788, 267.7154

 34.6626, 20.6883,
12.6252


 87.5742, 61.4249,
45.2500


 23.5683, 12.8963,
7.0433

 112.9724, 82.0720,
62.8131

 15.1367, 7.3572,
3.4103


 142.8598,
106.8939, 84.4179

 9.0023, 3.6865,
1.3078

 177.6020,
136.2749, 110.4829

 4.7998, 1.4998,
0.0682

217.5643,
170.5996, 141.4265

 2.1638, 0.2886,
0.0000

263.1120,

 0.7236, 0.0000,

210.2522, 177.6675

0.0000

314.6105,
255.6171, 219.6243

■ 0.0000, 0.0000,
0.0000

■ 48.7847, 31.1174,
20.5746

■ 48.7847, 31.1174,
20.5746

■ 45.6318, 26.6740,
13.7831

■ 53.0040, 37.2013,
29.2415

■ 43.4457, 23.7061,
8.7251

■ 58.3728, 45.0594,
39.9080

■ 42.1114, 22.0233,
5.2408

■ 64.9684, 54.8177,
52.6893

■ 41.5268, 21.3747,
3.4413

■ 72.8606, 66.5892,
67.6915

■ 82.1142, 80.4781,
85.0134

92.7893, 96.5814,
104.7479

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.



49.5712, 31.1174, 44.3941



48.7847, 31.1174, 20.5746



42.2889, 31.1174, 8.8993

Triad

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



48.7847, 31.1174, 20.5746



18.5617, 31.1174, 10.8213



26.3553, 31.1174, 107.5445

Complementary

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



48.7847, 31.1174, 20.5746



55.5431, 80.0026, 90.3628

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.



19.7066, 31.1174, 85.1490



48.7847, 31.1174, 20.5746



15.8433, 31.1174, 25.1752

Square

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



48.7847, 31.1174, 20.5746



24.4658, 31.1174, 5.5197



16.2158, 31.1174, 51.9587



35.3528, 31.1174, 104.1155

Rectangle

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



48.7847, 31.1174, 20.5746



36.2068, 31.1174, 5.7569



16.2158, 31.1174, 51.9587



23.8089, 31.1174, 102.4669

Sweetspot

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



48.7855, 31.1191, 20.5751



75.4526, 70.4714, 72.5679



56.2356, 33.2524, 98.0617



15.6129, 14.2794, 14.5222



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.



48.7855, 31.1191, 20.5751



45.1102, 25.9533, 12.6137



55.1092, 45.5457, 17.1983



18.1076, 18.0264, 19.1838



21.7287, 11.1808, 1.9559



2.1445, 1.1002, 0.3426

Inverse Universe

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



48.7855, 31.1191, 20.5751



45.1102, 25.9533, 12.6137



42.9629, 49.7262, 101.9410



18.1076, 18.0264, 19.1838



21.7287, 11.1808, 1.9559



2.1445, 1.1002, 0.3426

Previews

White Background



This preview shows how the XYZ color 48.7847, 31.1174, 20.5746 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 48.7847, 31.1174, 20.5746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

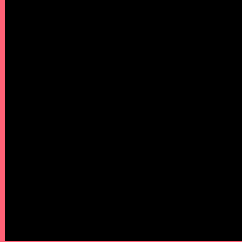
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7847, 31.1174, 20.5746

Background



This preview shows how black text looks on a background with the XYZ color 48.7847, 31.1174, 20.5746.



This preview shows how white text looks on a background with the XYZ color 48.7847, 31.1174,

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

48.7847, 31.1174, 20.5746

Protanopia

29.8110, 31.2148, 30.8394

Deuteranopia

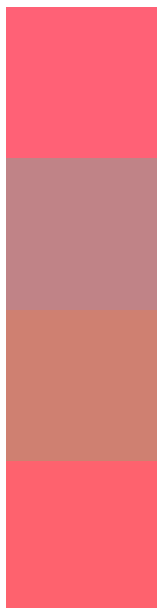
31.7623, 31.0799, 19.0768



Tritanopia

47.8847, 31.0144, 16.8272

Trichromacy



Original Color

48.7847, 31.1174, 20.5746

Protanomaly

34.2277, 29.1883, 26.7516

Deuteranomaly

36.4319, 29.8960, 19.4731

Tritanomaly

48.0552, 30.9320, 18.1895

Monochromacy



Original Color

48.7847, 31.1174, 20.5746

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

32.5439, 27.9172, 26.9659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7847, 31.1174, 20.5746 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 118) }
```

Border

The CSS property to change the border of an element to XYZ 48.7847, 31.1174, 20.5746 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, 118) }
```


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

```
.border{ border-color:rgb(255, 97, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7847, 31.1174, 20.5746 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, 118) }
```

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

```
.background{ background-color: rgb(255, 97,  
118) }
```

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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