

Converting Colors

XYZ(70.3374, 42.3778, 19.8593)

Have a look what the booklet for
XYZ(70.3374, 42.3778, 19.8593)
contains.

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Color

**XYZ(48.5323, 31.1652,
18.7868)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6270
RGB	255, 98, 112
RGB Percent	100%, 38%, 44%
CMY	0.0000, 0.6156, 0.5608
CMYK	0.00, 0.62, 0.56, 0.00
HSL	355°, 100%, 69%
HSV	355°, 62%, 100%
XYZ	48.5323, 31.1652, 18.7868
YIQ	146.5390, 89.0780, 37.6380

Conversions

Conversions Part 2

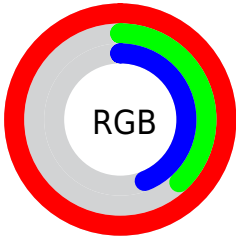
Format	Color
R _Y B	255, 98, 112
Decimal	16736880
CIE Lab	62.65, 60.64, 24.26
CIE LCh	63, 65.314, 21.800
Yxy	31.1652, 0.4928, 0.3164
Android (android.graphics.Color)	4294926960 (0xFFFF6270)
YUV	146.5390, -17.0277, 95.1203
Hunter-Lab	55.8258, 57.4843, 19.1255

Details

The XYZ color **48.5323, 31.1652, 18.7868** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **56.6763, 80.4682, 95.7703**, and the grayscale version is **27.5865, 29.0232, 31.6062**.

A 20% lighter version of the original color is **59.6622, 47.3830, 41.1233**, and **23.3252, 12.8998, 6.1110** is the 20% darker color. If you saturate the color by 10%, you get **45.3839, 26.6783, 12.1588**, and if you desaturate by 10%, it is **52.7754, 37.3083, 27.4256**.

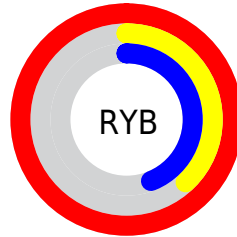
Distribution



Red (100%)

Green (38%)

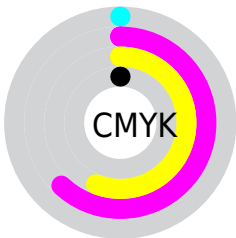
Blue (44%)



Red (100%)

Yellow (38%)

Blue (44%)

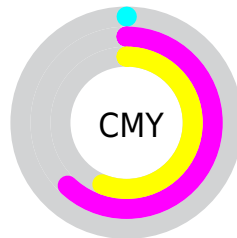


Cyan (0%)

Magenta (62%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5323, 31.1652, 18.7868 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 48.5323, 31.1652, 18.7868 by changing the saturation by 10% instead.


 48.5323, 31.1652,
18.7868

 48.5323, 31.1652,
18.7868


371.4457,
307.2987, 257.6526


 34.4616, 20.7247,
11.3411


 87.2013, 61.5001,
42.2054

 23.4130, 12.9229,
6.1797


 112.5304, 82.1632,
59.0154

 15.0211, 7.3755,
2.8841


 142.3429,
107.0027, 79.7839

 8.9206, 3.6980,
1.0358

 177.0044,
136.4028, 104.9294

 4.7461, 1.5061,
0.0000

216.8800,
170.7481, 134.8705

 2.1323, 0.2930,
0.0000

262.3352,

 0.7067, 0.0000,

210.4229, 170.0257

0.0000

313.7353,
255.8117, 210.8136

■ 0.0000, 0.0000,
0.0000

■ 48.5323, 31.1652,
18.7868

■ 48.5323, 31.1652,
18.7868

■ 45.3839, 26.6783,
12.1588

■ 52.7754, 37.3083,
27.4256

■ 43.2267, 23.6817,
7.3771

■ 58.1996, 45.2421,
38.2189

■ 41.9411, 21.9846,
4.2534

■ 64.8852, 55.0935,
51.2986

■ 41.3917, 21.3207,
2.7300

■ 72.9049, 66.9762,
66.7860

■ 82.3256, 80.9952,
84.7936

93.2101, 97.2481,
105.4267

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.



50.0054, 31.1652, 41.4191



48.5323, 31.1652, 18.7868



41.5215, 31.1652, 8.1450

Triad

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



48.5323, 31.1652, 18.7868



18.1009, 31.1652, 11.7456



27.2460, 31.1652, 109.2831

Complementary

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



48.5323, 31.1652, 18.7868



56.6763, 80.4682, 95.7703

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.



20.2448, 31.1652, 88.8950



48.5323, 31.1652, 18.7868



15.7013, 31.1652, 27.4091

Square

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



48.5323, 31.1652, 18.7868



23.7073, 31.1652, 5.7314



16.3987, 31.1652, 55.5951



36.4458, 31.1652, 102.8593

Rectangle

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



48.5323, 31.1652, 18.7868



35.2976, 31.1652, 5.4155



16.3987, 31.1652, 55.5951



24.5892, 31.1652, 105.0816

Sweetspot

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



48.5331, 31.1669, 18.7873



76.0995, 71.7238, 72.9110



58.1166, 34.3602, 98.1764



15.7274, 14.5180, 14.5307



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.



48.5331, 31.1669, 18.7873



44.7717, 25.8179, 10.8310



56.1558, 47.5637, 17.7786



18.0751, 18.0134, 19.0126



21.6503, 11.1494, 1.5431



2.1293, 1.0941, 0.2621

Inverse Universe

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



48.5331, 31.1669, 18.7873



44.7717, 25.8179, 10.8310



41.9823, 47.6059, 101.5834



18.0751, 18.0134, 19.0126



21.6503, 11.1494, 1.5431



2.1293, 1.0941, 0.2621

Previews

White Background



This preview shows how the XYZ color 48.5323, 31.1652, 18.7868 looks on a white background.

Color Contrast Check

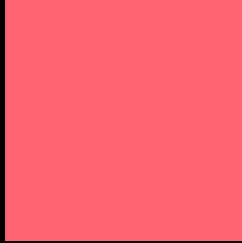
Large Text (above 18pt) WCAG AA × Fail

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 48.5323, 31.1652, 18.7868 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 48.5323, 31.1652, 18.7868

Background



This preview shows how black text looks on a background with the XYZ color 48.5323, 31.1652, 18.7868.



This preview shows how white text looks on a background with the XYZ color 48.5323, 31.1652,

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

48.5323, 31.1652, 18.7868

Protanopia

29.6825, 31.2085, 28.1263

Deuteranopia

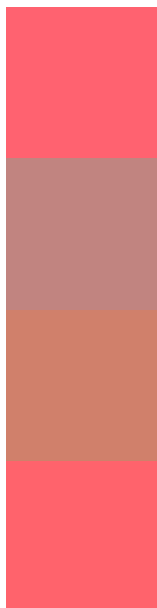
31.6801, 31.0740, 17.4249



Tritanopia

48.2516, 31.2036, 16.8444

Trichromacy



Original Color

48.5323, 31.1652, 18.7868

Protanomaly

34.1399, 29.3985, 24.2972

Deuteranomaly

36.3854, 29.9098, 17.7654

Tritanomaly

48.4086, 31.2664, 17.6710

Monochromacy



Original Color

48.5323, 31.1652, 18.7868

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

32.4030, 27.8608, 26.2241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5323, 31.1652, 18.7868 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, 98, 112)` looks like.

```
.text, #text, p{  
  color:rgb(255, 98, 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, 98, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 112) }
```

Border

The CSS property to change the border of an element to XYZ 48.5323, 31.1652, 18.7868 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, 98, 112) }
```


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

```
.border{ border-color:rgb(255, 98, 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, 98, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5323, 31.1652, 18.7868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 112) }
```

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

```
.background{ background-color: rgb(255, 98,  
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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