

Converting Colors

XYZ(51.8808, 32.9244, 19.9250)

Have a look what the booklet for
XYZ(51.8808, 32.9244, 19.9250)
contains.

XYZ(48.7022, 31.2332, 19.6814)	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(48.7022, 31.2332,
19.6814)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6273
RGB	255, 98, 115
RGB Percent	100%, 38%, 45%
CMY	0.0000, 0.6156, 0.5490
CMYK	0.00, 0.62, 0.55, 0.00
HSL	354°, 100%, 69%
HSV	354°, 62%, 100%
XYZ	48.7022, 31.2332, 19.6814
YIQ	146.8810, 88.1150, 38.5710

Conversions

Conversions Part 2

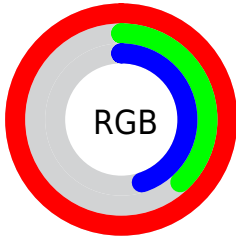
Format	Color
R _Y B	255, 98, 115
Decimal	16736883
CIE Lab	62.70, 60.86, 22.61
CIE LCh	63, 64.929, 20.383
Yxy	31.2332, 0.4889, 0.3135
Android (android.graphics.Color)	4294926963 (0xFFFF6273)
YUV	146.8810, -15.7173, 94.8204
Hunter-Lab	55.8867, 57.7514, 18.2407

Details

The XYZ color **48.7022, 31.2332, 19.6814** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **56.2318, 80.2904, 93.4293**, and the grayscale version is **27.7228, 29.1665, 31.7623**.

A 20% lighter version of the original color is **59.9364, 47.4927, 42.5672**, and **23.3822, 12.8735, 6.5626** is the 20% darker color. If you saturate the color by 10%, you get **45.5335, 26.7381, 12.9462**, and if you desaturate by 10%, it is **52.9549, 37.3801, 28.3706**.

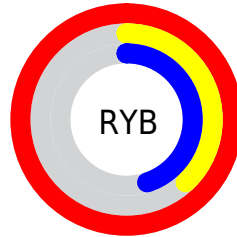
Distribution



Red (100%)

Green (38%)

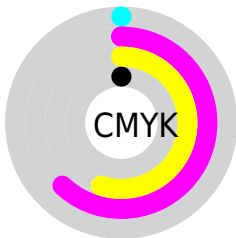
Blue (45%)



Red (100%)

Yellow (38%)

Blue (45%)

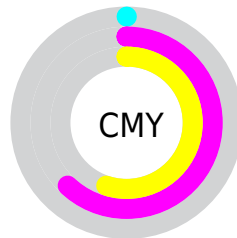


Cyan (0%)

Magenta (62%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7022, 31.2332, 19.6814 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 48.7022, 31.2332, 19.6814 by changing the saturation by 10% instead.


 48.7022, 31.2332,
19.6814


 48.7022, 31.2332,
19.6814


372.1052,
307.6112, 262.7320

 34.5969, 20.7765,
11.9819


 87.4524, 61.6070,
43.7343


 23.5176, 12.9607,
6.6090


 112.8279, 82.2930,
60.9248

 15.0989, 7.4015,
3.1441


 142.6909,
107.1574, 82.1160

 8.9756, 3.7144,
1.1687

 177.4068,
136.5847, 107.7265

 4.7823, 1.5151,
0.0000

217.3407,
170.9594, 138.1748

 2.1535, 0.2993,
0.0000

262.8582,

 0.7181, 0.0000,

210.6658, 173.8795

0.0000

314.3246,
256.0883, 215.2590

■ 0.0000, 0.0000,
0.0000

■ 48.7022, 31.2332,
19.6814

■ 48.7022, 31.2332,
19.6814

■ 45.5335, 26.7381,
12.9462

■ 52.9549, 37.3801,
28.3706

■ 43.3471, 23.7299,
8.0110

■ 58.3761, 45.3128,
39.1482

■ 42.0261, 22.0186,
4.7012

■ 65.0448, 55.1574,
52.1387

■ 41.4446, 21.3418,
3.0086

■ 73.0322, 67.0273,
67.4561

■ 82.4042, 81.0267,
85.2068

93.2222, 97.2531,
105.4904

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.



49.8627, 31.2332, 42.8323



48.7022, 31.2332, 19.6814



41.9356, 31.2332, 8.5609

Triad

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



48.7022, 31.2332, 19.6814



18.3966, 31.2332, 11.4112



26.9287, 31.2332, 108.4142

Complementary

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



48.7022, 31.2332, 19.6814



56.2318, 80.2904, 93.4293

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.



20.0898, 31.2332, 87.1753



48.7022, 31.2332, 19.6814



15.8524, 31.2332, 26.4868

Square

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



48.7022, 31.2332, 19.6814



24.1365, 31.2332, 5.7037



16.4034, 31.2332, 54.0008



36.0275, 31.2332, 103.3601

Rectangle

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



48.7022, 31.2332, 19.6814



35.7845, 31.2332, 5.6361



16.4034, 31.2332, 54.0008



24.3234, 31.2332, 103.8290

Sweetspot

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



48.7030, 31.2349, 19.6819



76.2113, 71.7685, 73.4997



57.2382, 33.9074, 98.1353



15.7541, 14.5287, 14.6711



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.



48.7030, 31.2349, 19.6819



44.9148, 25.8752, 11.5847



55.7040, 46.6602, 17.6281



18.0893, 18.0190, 19.0873



21.6814, 11.1618, 1.7066



2.1359, 1.0967, 0.2972

Inverse Universe

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



48.7030, 31.2349, 19.6819



44.9148, 25.8752, 11.5847



42.5628, 48.7668, 101.7769



18.0893, 18.0190, 19.0873



21.6814, 11.1618, 1.7066



2.1359, 1.0967, 0.2972

Previews

White Background



This preview shows how the XYZ color 48.7022, 31.2332, 19.6814 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 48.7022, 31.2332, 19.6814 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 48.7022, 31.2332, 19.6814

Background



This preview shows how black text looks on a background with the XYZ color 48.7022, 31.2332, 19.6814.



This preview shows how white text looks on a background with the XYZ color 48.7022, 31.2332,

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

48.7022, 31.2332, 19.6814

Protanopia

29.7049, 31.1948, 29.2665

Deuteranopia

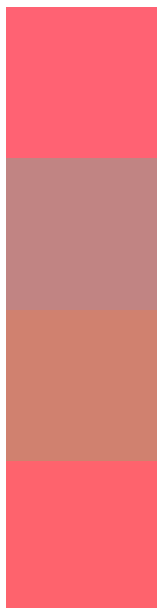
32.0417, 31.4642, 18.5718



Tritanopia

48.0317, 31.2258, 17.1313

Trichromacy



Original Color

48.7022, 31.2332, 19.6814

Protanomaly

34.3403, 29.4787, 25.3528

Deuteranomaly

36.7319, 30.2581, 18.9433

Tritanomaly

48.0952, 31.0986, 17.9357

Monochromacy



Original Color

48.7022, 31.2332, 19.6814

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

32.4731, 27.8889, 26.5932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7022, 31.2332, 19.6814 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 115) }
```

Border

The CSS property to change the border of an element to XYZ 48.7022, 31.2332, 19.6814 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, 115) }
```


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

```
.border{ border-color:rgb(255, 98, 115) }
```

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, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7022, 31.2332, 19.6814 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, 115) }
```

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

```
.background{ background-color: rgb(255, 98,  
115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor