

Converting Colors

XYZ(48.6659, 31.0601, 19.9793)

Have a look what the booklet for
XYZ(48.6659, 31.0601, 19.9793)
contains.

XYZ(48.6671, 31.0703, 19.9551)	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(48.6671, 31.0703,
19.9551)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6174
RGB	255, 97, 116
RGB Percent	100%, 38%, 45%
CMY	0.0000, 0.6196, 0.5451
CMYK	0.00, 0.62, 0.55, 0.00
HSL	353°, 100%, 69%
HSV	353°, 62%, 100%
XYZ	48.6671, 31.0703, 19.9551
YIQ	146.4080, 88.0690, 39.4050

Conversions

Conversions Part 2

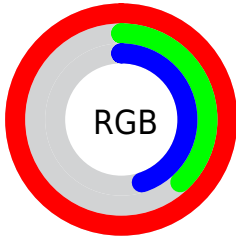
Format	Color
R_{YB}	255, 97, 116
Decimal	16736628
CIE _{Lab}	62.57, 61.36, 21.86
CIE _{LCh}	63, 65.134, 19.606
Yxy	31.0703, 0.4882, 0.3117
Android (android.graphics.Color)	4294926708 (0xFFFF6174)
YUV	146.4080, -14.9911, 95.2352
Hunter-Lab	55.7407, 58.3016, 17.7928

Details

The XYZ color **48.6671, 31.0703, 19.9551** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.8322, 80.1183, 91.8850**, and the grayscale version is **27.5247, 28.9581, 31.5354**.

A 20% lighter version of the original color is **59.8635, 47.1984, 43.0008**, and **23.3826, 12.8259, 6.7121** is the 20% darker color. If you saturate the color by 10%, you get **45.5266, 26.6319, 13.2288**, and if you desaturate by 10%, it is **52.8812, 37.1520, 28.5943**.

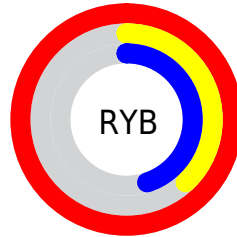
Distribution



Red (100%)

Green (38%)

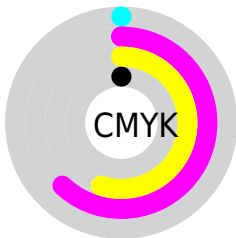
Blue (45%)



Red (100%)

Yellow (38%)

Blue (45%)

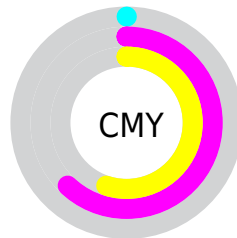


Cyan (0%)

Magenta (62%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6671, 31.0703, 19.9551 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 48.6671, 31.0703, 19.9551 by changing the saturation by 10% instead.


 48.6671, 31.0703,
19.9551


 48.6671, 31.0703,
19.9551


371.9690,
306.8621, 264.2681


 34.5689, 20.6524,
12.1787


 87.4005, 61.3507,
44.1999


 23.4960, 12.8701,
6.7415


 112.7665, 81.9820,
61.5053

 15.0829, 7.3392,
3.2250


 142.6191,
106.7866, 82.8241

 8.9642, 3.6751,
1.2106

 177.3237,
136.1488, 108.5749

 4.7748, 1.4935,
0.0000

217.2456,
170.4531, 139.1761

 2.1491, 0.2842,
0.0000

262.7502,

 0.7157, 0.0000,

210.0838, 175.0464

0.0000

314.2029,
255.4253, 216.6042

■ 0.0000, 0.0000,
0.0000

■ 48.6671, 31.0703,
19.9551

■ 48.6671, 31.0703,
19.9551

■ 45.5266, 26.6319,
13.2288

■ 52.8812, 37.1520,
28.5943

■ 43.3588, 23.6713,
8.2671

■ 58.2528, 45.0113,
39.2760

■ 42.0471, 21.9976,
4.9021

■ 64.8603, 54.7744,
52.1203

■ 41.4827, 21.3570,
3.2084

■ 72.7744, 66.5546,
67.2375

■ 82.0604, 80.4565,
84.7303

92.7793, 96.5772,
104.6953

95.0499, 99.9999,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.6621, 31.0703, 43.4203



48.6671, 31.0703, 19.9551



42.0073, 31.0703, 8.6128

Triad

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



48.6671, 31.0703, 19.9551



18.3620, 31.0703, 11.0364



26.5626, 31.0703, 108.1100

Complementary

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



48.6671, 31.0703, 19.9551



55.8322, 80.1183, 91.8850

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.



19.8082, 31.0703, 86.2694



48.6671, 31.0703, 19.9551



15.7420, 31.0703, 25.7677

Square

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



48.6671, 31.0703, 19.9551



24.1747, 31.0703, 5.5382



16.2123, 31.0703, 52.9896



35.6261, 31.0703, 103.7682

Rectangle

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



48.6671, 31.0703, 19.9551



35.8761, 31.0703, 5.6071



16.2123, 31.0703, 52.9896



23.9826, 31.0703, 103.2846

Sweetspot

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



48.6679, 31.0720, 19.9556



75.3749, 70.4403, 72.1586



56.2356, 33.2524, 98.0619



15.5946, 14.2720, 14.4254



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.



48.6679, 31.0720, 19.9556



45.0082, 25.9126, 12.0768



55.1092, 45.5456, 17.1982



18.0982, 18.0226, 19.1342



21.7033, 11.1706, 1.8223



2.1401, 1.0984, 0.3193

Inverse Universe

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



48.6679, 31.0720, 19.9556



45.0082, 25.9126, 12.0768



42.9628, 49.7261, 101.9412



18.0982, 18.0226, 19.1342



21.7033, 11.1706, 1.8223



2.1401, 1.0984, 0.3193

Previews

White Background



This preview shows how the XYZ color 48.6671, 31.0703, 19.9551 looks on a white background.

Color Contrast Check

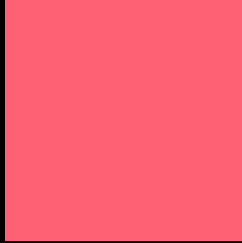
Large Text (above 18pt) WCAG AA × Fail

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 48.6671, 31.0703, 19.9551 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 48.6671, 31.0703, 19.9551

Background



This preview shows how black text looks on a background with the XYZ color 48.6671, 31.0703, 19.9551.



This preview shows how white text looks on a background with the XYZ color 48.6671, 31.0703,

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

48.6671, 31.0703, 19.9551

Protanopia

29.8537, 31.2543, 30.0504

Deuteranopia

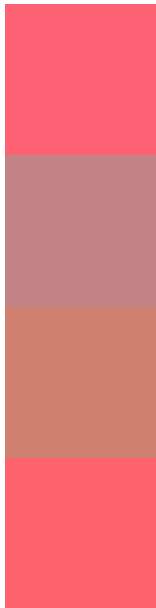
31.6546, 31.0368, 18.5097



Tritanopia

47.8847, 31.0144, 16.8272

Trichromacy



Original Color

48.6671, 31.0703, 19.9551

Protanomaly

34.3423, 29.2635, 26.0287

Deuteranomaly

36.3205, 29.8514, 18.8865

Tritanomaly

48.0011, 30.9103, 17.9044

Monochromacy



Original Color

48.6671, 31.0703, 19.9551

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

32.3420, 27.6267, 26.5495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6671, 31.0703, 19.9551 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 116) }
```

Border

The CSS property to change the border of an element to XYZ 48.6671, 31.0703, 19.9551 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, 116) }
```


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

```
.border{ border-color:rgb(255, 97, 116) }
```

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, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6671, 31.0703, 19.9551 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, 116) }
```

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

```
.background{ background-color: rgb(255, 97,  
116) }
```

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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