

Converting Colors

XYZ(47.6003, 31.0956, 12.9444)

Have a look what the booklet for
XYZ(47.6003, 31.0956, 12.9444)
contains.

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Color

**XYZ(47.6003, 31.0956,
12.9444)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6459
RGB	255, 100, 89
RGB Percent	100%, 39%, 35%
CMY	0.0000, 0.6078, 0.6510
CMYK	0.00, 0.61, 0.65, 0.00
HSL	4°, 100%, 67%
HSV	4°, 65%, 100%
XYZ	47.6003, 31.0956, 12.9444
YIQ	145.0910, 95.9110, 29.4390

Conversions

Conversions Part 2

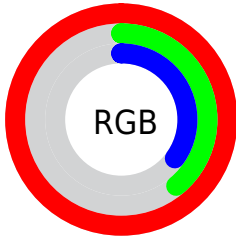
Format	Color
R _Y B	255, 101, 89
Decimal	16737369
CIE Lab	62.59, 58.32, 37.16
CIE LCh	63, 69.151, 32.500
Yxy	31.0956, 0.5194, 0.3393
Android (android.graphics.Color)	4294927449 (0xFFFF6459)
YUV	145.0910, -27.6529, 96.3902
Hunter-Lab	55.7634, 54.7836, 25.2714

Details

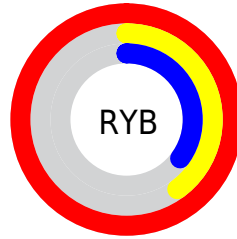
The XYZ color **47.6003, 31.0956, 12.9444** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **54.5175, 74.0393, 106.0247**, and the grayscale version is **27.0335, 28.4414, 30.9726**.

A 20% lighter version of the original color is **57.7887, 46.9010, 30.4331**, and **22.9672, 12.9668, 3.5778** is the 20% darker color. If you saturate the color by 10%, you get **44.7493, 26.8210, 7.5948**, and if you desaturate by 10%, it is **51.4905, 36.8561, 20.4695**.

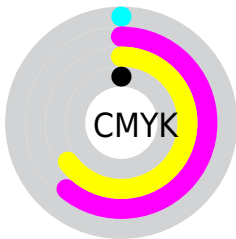
Distribution



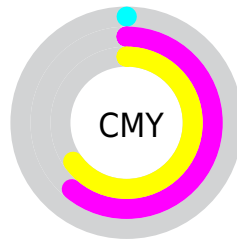
- Red (100%)
- Green (39%)
- Blue (35%)



- Red (100%)
- Yellow (40%)
- Blue (35%)



- Cyan (0%)
- Magenta (61%)
- Yellow (65%)
- Black (0%)




- Cyan (0%)
- Magenta (61%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6003, 31.0956, 12.9444 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 47.6003, 31.0956, 12.9444 by changing the saturation by 10% instead.


 47.6003, 31.0956,
12.9444


 47.6003, 31.0956,
12.9444


367.8146,
306.9785, 221.7563

 33.7204, 20.6717,
7.2600


 85.8223, 61.3906,
31.8936


 22.8408, 12.8842,
3.5443


 110.8951, 82.0304,
45.9954


 14.5960, 7.3489,
1.3788


 140.4296,
106.8442, 63.7402

 8.6208, 3.6812,
0.1251

 174.7911,
136.2166, 85.5464

 4.5498, 1.4969,
0.0000

 214.3450,
170.5318, 111.8325

 2.0176, 0.2865,
0.0000

259.4567,

 0.6438, 0.0000,

210.1742, 143.0172

0.0000

310.4914,
255.5283, 179.5190

■ 0.0000, 0.0000,
0.0000

■ 47.6003, 31.0956,
12.9444

■ 47.6003, 31.0956,
12.9444

■ 44.7493, 26.8210,
7.5948

■ 51.4905, 36.8561,
20.4695

■ 42.8351, 23.8909,
4.1876

■ 56.5049, 44.2164,
30.3677

■ 41.7384, 22.1461,
2.4389

■ 62.7223, 53.2856,
42.8160

■ 41.4388, 21.6580,
1.9963

■ 70.2138, 64.1615,
57.9743

■ 79.0447, 76.9347,
75.9892

89.2762, 91.6896,
96.9972

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



51.5774, 31.0956, 31.6463



47.6003, 31.0956, 12.9444



38.7258, 31.0956, 5.5508

Triad

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



47.6003, 31.0956, 12.9444



16.2318, 31.0956, 15.1193



30.3521, 31.0956, 116.5402

Complementary

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



47.6003, 31.0956, 12.9444



54.5175, 74.0393, 106.0247

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.



21.9607, 31.0956, 103.7955



47.6003, 31.0956, 12.9444



14.9095, 31.0956, 36.1700

Square

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



47.6003, 31.0956, 12.9444



20.8577, 31.0956, 6.2562



16.7672, 31.0956, 70.0467



40.3867, 31.0956, 99.0958

Rectangle

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



47.6003, 31.0956, 12.9444



31.9814, 31.0956, 4.0820



16.7672, 31.0956, 70.0467



27.2554, 31.0956, 115.6441

Sweetspot

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



47.6010, 31.0974, 12.9449



74.5446, 70.4308, 66.7923



61.5543, 35.1016, 91.2836



15.4352, 14.3220, 13.2357



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.



47.6010, 31.0974, 12.9449



44.1023, 25.8386, 6.4171



59.4248, 54.7449, 16.8862



18.1061, 18.1803, 18.6992



21.6887, 11.3886, 1.0551



2.1440, 1.1734, 0.1135

Inverse Universe

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



54.5175, 74.0393, 106.0247



51.3818, 71.4543, 105.6917



35.3916, 35.7875, 99.6494



18.4457, 20.2629, 23.1889



25.4648, 35.8393, 55.0101



2.5093, 3.5492, 5.3661

Previews

White Background



This preview shows how the XYZ color 47.6003, 31.0956, 12.9444 looks on a white background.

Color Contrast Check

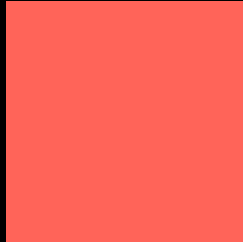
Large Text (above 18pt) WCAG AA × Fail

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 47.6003, 31.0956, 12.9444 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 47.6003, 31.0956, 12.9444

Background



This preview shows how black text looks on a background with the XYZ color 47.6003, 31.0956, 12.9444.



This preview shows how white text looks on a background with the XYZ color 47.6003, 31.0956,

12.9444.

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

47.6003, 31.0956, 12.9444

Protanopia

29.0928, 31.3471, 18.9852

Deuteranopia

31.8603, 31.2840, 12.1438



Tritanopia

48.1064, 30.9948, 16.5438

Trichromacy



Original Color

47.6003, 31.0956, 12.9444

Protanomaly

33.5508, 29.4701, 16.4904

Deuteranomaly

36.3145, 30.1895, 12.3007

Tritanomaly

47.9540, 31.0845, 15.2768

Monochromacy



Original Color

47.6003, 31.0956, 12.9444

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.5595, 27.4955, 23.0458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6003, 31.0956, 12.9444 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, 100, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 89)  
}
```

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, 100, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 89) }
```

Border

The CSS property to change the border of an element to XYZ 47.6003, 31.0956, 12.9444 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, 100, 89) }
```


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

```
.border{ border-color:rgb(255, 100, 89) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 100, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6003, 31.0956, 12.9444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 89) }
```

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

```
.background{ background-color: rgb(255,  
100, 89) }
```

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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