

Converting Colors

XYZ(46.4034, 31.3050, 9.9768)

Have a look what the booklet for
XYZ(46.4034, 31.3050, 9.9768)
contains.

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Color

**XYZ(46.3991, 31.2796,
9.8954)**

Conversions

Conversions Part 1

Format	Color
Hex	FC6949
RGB	252, 105, 73
RGB Percent	99%, 41%, 29%
CMY	0.0118, 0.5882, 0.7137
CMYK	0.00, 0.58, 0.71, 0.01
HSL	11°, 97%, 64%
HSV	11°, 71%, 99%
XYZ	46.3991, 31.2796, 9.8954
YIQ	145.3050, 97.8840, 21.2120

Conversions

Conversions Part 2

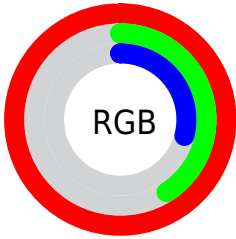
Format	Color
R _Y B	252, 112, 73
Decimal	16542025
CIE Lab	62.74, 54.29, 45.84
CIE LCh	63, 71.054, 40.181
Yxy	31.2796, 0.5298, 0.3572
Android (android.graphics.Color)	4294732105 (0xFFFC6949)
YUV	145.3050, -35.6464, 93.5715
Hunter-Lab	55.9282, 50.2128, 28.6595

Details

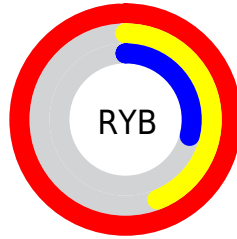
The XYZ color **46.3991, 31.2796, 9.8954** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **45.9094, 59.6269, 101.1845**, and the grayscale version is **27.1516, 28.5656, 31.1079**.

A 20% lighter version of the original color is **57.3860, 47.8317, 24.9468**, and **22.0238, 12.9626, 2.3185** is the 20% darker color. If you saturate the color by 10%, you get **43.8689, 27.2968, 5.7315**, and if you desaturate by 10%, it is **49.7817, 36.4268, 16.0124**.

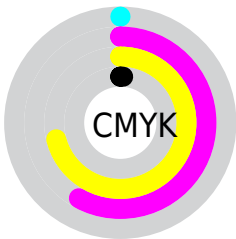
Distribution



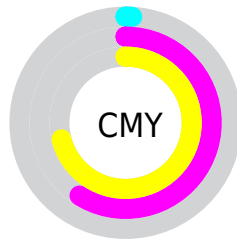
- Red (99%)
- Green (41%)
- Blue (29%)



- Red (99%)
- Yellow (44%)
- Blue (29%)



- Cyan (0%)
- Magenta (58%)
- Yellow (71%)
- Black (1%)





- Cyan (1%)
- Magenta (59%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3991, 31.2796, 9.8954 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 46.3991, 31.2796, 9.8954 by changing the saturation by 10% instead.


 46.3991, 31.2796,
9.8954

 46.3991, 31.2796,
9.8954


363.0999,
307.8244, 200.3815

 32.7668, 20.8118,
5.2250


 84.0402, 61.6800,
26.2033


 22.1063, 12.9865,
2.3188


 108.7797, 82.3815,
38.6779


 14.0520, 7.4193,
0.7417


 137.9524,
107.2629, 54.5908

 8.2388, 3.7257,
0.0000

 171.9235,
136.7088, 74.3608

 4.3012, 1.5213,
0.0000

 211.0585,
171.1035, 98.4064

 1.8739, 0.3037,
0.0000

255.7226,

 0.5616, 0.0000,

210.8314, 127.1459

0.0000

306.2813,
256.2769, 160.9981

■ 0.0000, 0.0000,
0.0000

■ 46.3991, 31.2796,
9.8954

■ 46.3991, 31.2796,
9.8954

■ 43.8689, 27.2968,
5.7315

■ 49.7817, 36.4268,
16.0124

■ 42.1075, 24.3798,
3.2763

■ 54.0851, 42.8157,
24.2845

■ 41.0854, 22.5768,
2.1923

■ 59.3730, 50.5231,
34.8897

■ 65.7024, 59.6179,
47.9873

■ 73.1262, 70.1641,
63.7223

81.6934, 82.2218,
82.2287

91.4501, 95.8477,
103.6313

93.9547, 99.4354,
108.8487

Harmonies

Analogous

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



52.1549, 31.2796, 25.4537



46.3991, 31.2796, 9.8954



36.5210, 31.2796, 4.4553

Triad

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



46.3991, 31.2796, 9.8954



15.3969, 31.2796, 18.9544



33.1543, 31.2796, 118.4585

Complementary

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



46.3991, 31.2796, 9.8954



45.9094, 59.6269, 101.1845

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.



23.8383, 31.2796, 113.1999



46.3991, 31.2796, 9.8954



14.8792, 31.2796, 44.4113

Square

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



46.3991, 31.2796, 9.8954



19.2372, 31.2796, 7.3618



17.6249, 31.2796, 81.5218



43.4778, 31.2796, 93.4271

Rectangle

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



46.3991, 31.2796, 9.8954



29.6715, 31.2796, 3.6880



17.6249, 31.2796, 81.5218



29.7893, 31.2796, 120.4012

Sweetspot

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



46.3998, 31.2814, 9.8959



75.1363, 72.0995, 65.4928



55.7345, 30.7435, 72.2208



15.6064, 14.7587, 13.0022



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.



46.3998, 31.2814, 9.8959



44.2483, 26.7105, 4.6784



60.2703, 59.0223, 14.5194



17.4955, 17.7269, 17.9619



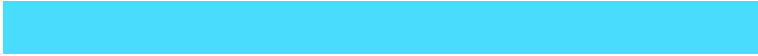
21.4766, 11.9099, 1.1669



2.0558, 1.2365, 0.1303

Inverse Universe

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



45.9094, 59.6269, 101.1845



43.4765, 56.8726, 103.2938



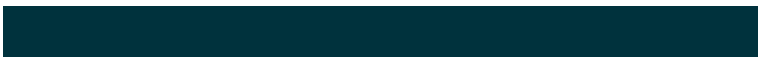
28.6604, 25.1289, 95.4348



17.4864, 19.0495, 22.1406



20.8671, 27.0897, 52.1026



1.9993, 2.6423, 4.8478

Previews

White Background



This preview shows how the XYZ color 46.3991, 31.2796, 9.8954 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 46.3991, 31.2796, 9.8954 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 46.3991, 31.2796, 9.8954

Background



This preview shows how black text looks on a background with the XYZ color 46.3991, 31.2796, 9.8954.



This preview shows how white text looks on a background with the XYZ color 46.3991, 31.2796,

9.8954.

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

46.3991, 31.2796, 9.8954

Protanopia

28.9678, 31.3932, 13.9839

Deuteranopia

32.0371, 31.4398, 9.2304



Tritanopia

48.1806, 31.4397, 17.4390

Trichromacy



Original Color

46.3991, 31.2796, 9.8954

Protanomaly

33.5140, 29.9582, 12.1998

Deuteranomaly

36.1471, 30.3676, 9.2666

Tritanomaly

47.3249, 31.2116, 14.3566

Monochromacy



Original Color

46.3991, 31.2796, 9.8954

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.0796, 27.4875, 21.1203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3991, 31.2796, 9.8954 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(252, 105, 73)` looks like.

```
.text, #text, p{  
    color:rgb(252, 105, 73)  
}
```

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(252, 105, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 105, 73) }
```

Border

The CSS property to change the border of an element to XYZ 46.3991, 31.2796, 9.8954 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(252, 105, 73) }
```


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

```
.border{ border-color:rgb(252, 105, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 105, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 105, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 105, 73);  
box-shadow:4px 4px 4px 4px rgb(252, 105,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3991, 31.2796, 9.8954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 105, 73) }
```

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

```
.background{ background-color: rgb(252,  
105, 73) }
```

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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