

Converting Colors

XYZ(47.0289, 31.3685, 8.3893)

Have a look what the booklet for
XYZ(47.0289, 31.3685, 8.3893)
contains.

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Color

**XYZ(47.0157, 31.3307,
8.4199)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6740
RGB	255, 103, 64
RGB Percent	100%, 40%, 25%
CMY	0.0000, 0.5960, 0.7490
CMYK	0.00, 0.60, 0.75, 0.00
HSL	12°, 100%, 63%
HSV	12°, 75%, 100%
XYZ	47.0157, 31.3307, 8.4199
YIQ	144.0020, 103.1110, 20.0950

Conversions

Conversions Part 2

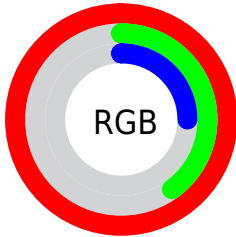
Format	Color
RYB	255, 113, 64
Decimal	16738112
CIELab	62.79, 55.84, 50.63
CIElCh	63, 75.374, 42.200
Yxy	31.3307, 0.5419, 0.3611
Android (android.graphics.Color)	4294928192 (0xFFFF6740)
YUV	144.0020, -39.4410, 97.3452
Hunter-Lab	55.9738, 51.9784, 30.2629

Details

The XYZ color **47.0157, 31.3307, 8.4199** 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 **44.7178, 57.4170, 103.3329**, and the grayscale version is **26.6362, 28.0233, 30.5174**.

A 20% lighter version of the original color is **56.6754, 47.2712, 22.0567**, and **22.5491, 13.0648, 1.7852** is the 20% darker color. If you saturate the color by 10%, you get **44.6694, 27.5465, 4.8391**, and if you desaturate by 10%, it is **50.1845, 36.2305, 13.9101**.

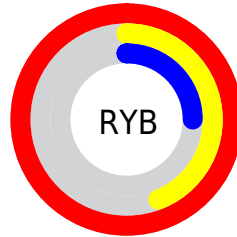
Distribution



Red (100%)

Green (40%)

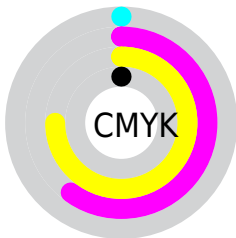
Blue (25%)



Red (100%)

Yellow (44%)

Blue (25%)

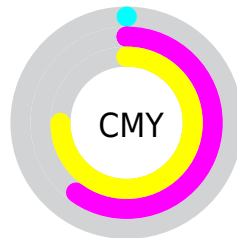


Cyan (0%)

Magenta (60%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0157, 31.3307, 8.4199 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 47.0157, 31.3307, 8.4199 by changing the saturation by 10% instead.


 47.0157, 31.3307,
8.4199

 47.0157, 31.3307,
8.4199

365.5251,
308.0590, 189.0453


 33.2561, 20.8508,
4.2732


 84.9557, 61.7604,
23.3372


 22.4829, 13.0150,
1.7764


 109.8667, 82.4789,
34.9449


 14.3307, 7.4389,
0.4123


 139.2256,
107.3791, 49.8766

 8.4343, 3.7380,
0.0000

 173.3976,
136.8454, 68.5510

 4.4282, 1.5281,
0.0000

 212.7483,
171.2621, 91.3865

 1.9471, 0.3084,
0.0000

 257.6428,

 0.6040, 0.0000,

211.0137, 118.8017

0.0000

308.4466,
256.4845, 151.2151

■ 0.0000, 0.0000,
0.0000

■ 47.0157, 31.3307,
8.4199

■ 47.0157, 31.3307,
8.4199

■ 44.6694, 27.5465,
4.8391

■ 50.1845, 36.2305,
13.9101

■ 43.0583, 24.7807,
2.8945

■ 54.2461, 42.3213,
21.5297

■ 42.4713, 23.7230,
2.3405

■ 59.2654, 49.6781,
31.4703

■ 65.3002, 58.3679,
43.9013

■ 72.4036, 68.4528,
58.9764

80.6250, 79.9912,
76.8367

90.0107, 93.0379,
97.6133

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.



53.6682, 31.3307, 23.4657



47.0157, 31.3307, 8.4199



36.2611, 31.3307, 3.5799

Triad

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



47.0157, 31.3307, 8.4199



14.6083, 31.3307, 19.5320



34.1686, 31.3307, 125.1644

Complementary

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



47.0157, 31.3307, 8.4199



44.7178, 57.4170, 103.3329

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.



24.1193, 31.3307, 121.7790



47.0157, 31.3307, 8.4199



14.2986, 31.3307, 47.5762

Square

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



47.0157, 31.3307, 8.4199



18.3468, 31.3307, 6.9685



17.3726, 31.3307, 88.2428



45.1825, 31.3307, 95.8448

Rectangle

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



47.0157, 31.3307, 8.4199



29.0243, 31.3307, 3.0168



17.3726, 31.3307, 88.2428



30.5464, 31.3307, 128.1388

Sweetspot

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



47.0164, 31.3325, 8.4204



74.6722, 71.6488, 63.8659



55.5715, 29.9261, 68.3565



15.5286, 14.6957, 12.6903



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.



47.0164, 31.3325, 8.4204



43.7624, 26.0153, 3.6632



62.2907, 61.8811, 13.5119



18.3098, 18.5878, 18.7671



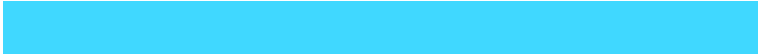
22.2763, 12.5638, 1.2510



2.2423, 1.3700, 0.1463

Inverse Universe

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



44.7178, 57.4170, 103.3329



41.0505, 52.6073, 102.5984



27.0383, 22.0579, 97.4397



18.2213, 19.8142, 23.1141



20.6906, 26.2908, 53.4187



2.0904, 2.7115, 5.2265

Previews

White Background



This preview shows how the XYZ color 47.0157, 31.3307, 8.4199 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 47.0157, 31.3307, 8.4199 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 47.0157, 31.3307, 8.4199

Background



This preview shows how black text looks on a background with the XYZ color 47.0157, 31.3307, 8.4199.



This preview shows how white text looks on a background with the XYZ color 47.0157, 31.3307,

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

47.0157, 31.3307, 8.4199

Protanopia

28.7880, 31.3458, 11.9302

Deuteranopia

32.0265, 31.4643, 7.8753



Tritanopia

48.3470, 31.3943, 16.8761

Trichromacy



Original Color

47.0157, 31.3307, 8.4199

Protanomaly

33.5805, 29.8240, 10.4653

Deuteranomaly

36.4779, 30.5669, 7.9804

Tritanomaly

47.7391, 31.3055, 13.1993

Monochromacy



Original Color

47.0157, 31.3307, 8.4199

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.7119, 27.1287, 19.8373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0157, 31.3307, 8.4199 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, 103, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 64)  
}
```

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, 103, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 64) }
```

Border

The CSS property to change the border of an element to XYZ 47.0157, 31.3307, 8.4199 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, 103, 64) }
```


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

```
.border{ border-color:rgb(255, 103, 64) }
```

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

Here you see how a box with a 4 pixel rgb(255, 103, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0157, 31.3307, 8.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 64) }
```

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

```
.background{ background-color: rgb(255,  
103, 64) }
```

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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