

Converting Colors

XYZ(46.8807, 31.9286, 5.6994)

Have a look what the booklet for
XYZ(46.8807, 31.9286, 5.6994)
contains.

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Color

**XYZ(46.8807, 31.9286,
5.6994)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6B28
RGB	255, 107, 40
RGB Percent	100%, 42%, 16%
CMY	0.0000, 0.5804, 0.8431
CMYK	0.00, 0.58, 0.84, 0.00
HSL	19°, 100%, 58%
HSV	19°, 84%, 100%
XYZ	46.8807, 31.9286, 5.6994
YIQ	143.6140, 109.7150, 10.5390

Conversions

Conversions Part 2

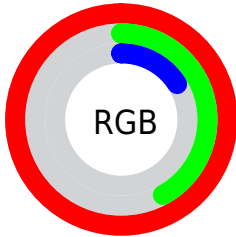
Format	Color
R_{YB}	255, 137, 40
Decimal	16739112
CIE Lab	63.28, 53.31, 61.88
CIE LCh	63, 81.679, 49.254
Yxy	31.9286, 0.5547, 0.3778
Android (android.graphics.Color)	4294929192 (0xFFFF6B28)
YUV	143.6140, -51.0817, 97.6855
Hunter-Lab	56.5054, 49.2112, 33.5735

Details

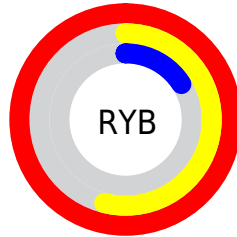
The XYZ color **46.8807, 31.9286, 5.6994** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **36.9064, 43.6340, 101.0840**, and the grayscale version is **26.5232, 27.9045, 30.3880**.

A 20% lighter version of the original color is **56.0921, 47.8734, 16.4093**, and **22.4632, 13.4031, 1.4031** is the 20% darker color. If you saturate the color by 10%, you get **44.9329, 28.5140, 3.5691**, and if you desaturate by 10%, it is **49.4867, 36.2039, 9.4574**.

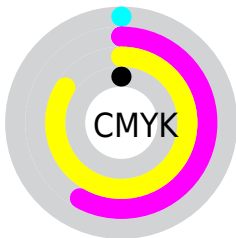
Distribution



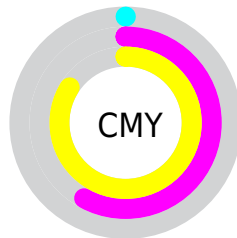
- Red (100%)
- Green (42%)
- Blue (16%)



- Red (100%)
- Yellow (54%)
- Blue (16%)



- Cyan (0%)
- Magenta (58%)
- Yellow (84%)
- Black (0%)





- Cyan (0%)
- Magenta (58%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8807, 31.9286, 5.6994 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 46.8807, 31.9286, 5.6994 by changing the saturation by 10% instead.

 46.8807, 31.9286,
5.6994


 46.8807, 31.9286,
5.6994


364.9950,
310.7939, 165.5694


 33.1489, 21.3070,
2.5974


 84.7553, 62.6991,
17.7705


 22.4003, 13.3486,
0.8911


 109.6289, 83.6168,
27.5766


 14.2696, 7.6690,
0.0000


 138.9471,
108.7353, 40.4545

 8.3914, 3.8839,
0.0000

 173.0753,
138.4391, 56.8227

 4.4003, 1.6088,
0.0000

 212.3788,
173.1124, 77.0997

 1.9310, 0.3635,
0.0000

 257.2230,

 0.5947, 0.0000,

213.1397, 101.7042

0.0000

307.9733,
258.9054, 131.0545

■ 0.0000, 0.0000,
0.0000

■ 46.8807, 31.9286,
5.6994

■ 46.8807, 31.9286,
5.6994

■ 44.9329, 28.5140,
3.5691

■ 49.4867, 36.2039,
9.4574

■ 44.0700, 26.9205,
2.8734

■ 52.8181, 41.3952,
15.1042

■ 56.9345, 47.5587,
22.8554

■ 61.8878, 54.7438,
32.8966

■ 67.7252, 62.9964,
45.3928

74.4901, 72.3593,
60.4936

82.2228, 82.8730,
78.3367

90.9611, 94.5758,
99.0497

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



55.8737, 31.9286, 17.9977



46.8807, 31.9286, 5.6994



34.5877, 31.9286, 2.4482

Triad

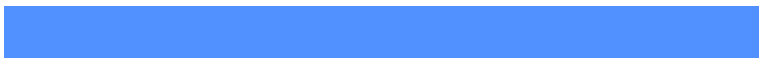
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.8807, 31.9286, 5.6994



13.5960, 31.9286, 24.3921



38.1032, 31.9286, 133.0255

Complementary

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



46.8807, 31.9286, 5.6994



36.9064, 43.6340, 101.0840

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.



26.4682, 31.9286, 138.9664



46.8807, 31.9286, 5.6994



14.0911, 31.9286, 59.6305

Square

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



46.8807, 31.9286, 5.6994



16.6666, 31.9286, 7.8908



18.2449, 31.9286, 106.5769



49.9981, 31.9286, 93.3661

Rectangle

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



46.8807, 31.9286, 5.6994



26.9806, 31.9286, 2.4005



18.2449, 31.9286, 106.5769



33.9828, 31.9286, 139.6769

Sweetspot

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



46.8814, 31.9304, 5.6999



73.9953, 71.6802, 59.3703



51.3476, 26.5172, 51.4142



15.3111, 14.6166, 11.5206



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.



46.8814, 31.9304, 5.6999



44.0704, 26.9207, 2.8735



65.1661, 68.4999, 11.7948



18.4712, 18.9106, 18.8209



23.1441, 14.2994, 1.5402



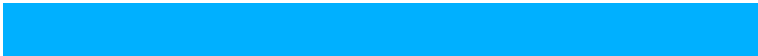
2.3460, 1.5773, 0.1808

Inverse Universe

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



36.9064, 43.6340, 101.0840



33.4823, 38.0847, 100.1941



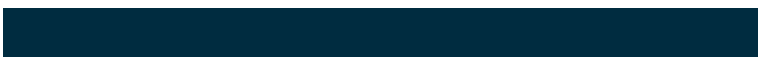
22.0184, 13.8578, 96.1213



18.0493, 19.4701, 23.0568



17.6345, 20.1787, 52.4000



1.8146, 2.1599, 5.1345

Previews

White Background



This preview shows how the XYZ color 46.8807, 31.9286, 5.6994 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 46.8807, 31.9286, 5.6994 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 46.8807, 31.9286, 5.6994

Background



This preview shows how black text looks on a background with the XYZ color 46.8807, 31.9286, 5.6994.



This preview shows how white text looks on a background with the XYZ color 46.8807, 31.9286,

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

46.8807, 31.9286, 5.6994

Protanopia

29.1887, 32.1298, 7.9121

Deuteranopia

32.6624, 32.0812, 5.1803



Tritanopia

48.6981, 31.8455, 17.7675

Trichromacy



Original Color

46.8807, 31.9286, 5.6994

Protanomaly

33.8363, 30.6613, 6.9312

Deuteranomaly

36.7798, 31.1853, 5.1795

Tritanomaly

47.7516, 31.7852, 11.8020

Monochromacy



Original Color

46.8807, 31.9286, 5.6994

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.4850, 27.4636, 17.3299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8807, 31.9286, 5.6994 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, 107, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 40)  
}
```

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, 107, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 40) }
```

Border

The CSS property to change the border of an element to XYZ 46.8807, 31.9286, 5.6994 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, 107, 40) }
```


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

```
.border{ border-color:rgb(255, 107, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8807, 31.9286, 5.6994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 40) }
```

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

```
.background{ background-color: rgb(255,  
107, 40) }
```

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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