

Converting Colors

XYZ(46.5528, 31.5495, 4.7373)

Have a look what the booklet for
XYZ(46.5528, 31.5495, 4.7373)
contains.

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Color

**XYZ(46.6036, 31.6519,
4.7518)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6A1C
RGB	255, 106, 28
RGB Percent	100%, 42%, 11%
CMY	0.0000, 0.5843, 0.8902
CMYK	0.00, 0.58, 0.89, 0.00
HSL	21°, 100%, 55%
HSV	21°, 89%, 100%
XYZ	46.6036, 31.6519, 4.7518
YIQ	141.6590, 113.8420, 7.3300

Conversions

Conversions Part 2

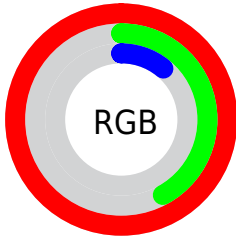
Format	Color
R _Y B	255, 147, 28
Decimal	16738844
CIE Lab	63.05, 53.52, 65.89
CIE LCh	63, 84.886, 50.911
Yxy	31.6519, 0.5614, 0.3813
Android (android.graphics.Color)	4294928924 (0xFFFF6A1C)
YUV	141.6590, -56.0339, 99.4001
Hunter-Lab	56.2600, 49.4074, 34.3743

Details

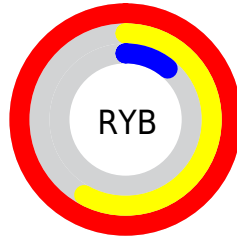
The XYZ color **46.6036, 31.6519, 4.7518** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **34.2497, 38.9085, 100.3118**, and the grayscale version is **25.7606, 27.1021, 29.5142**.

A 20% lighter version of the original color is **55.5462, 47.3743, 14.4002**, and **22.3758, 13.2284, 1.3740** is the 20% darker color. If you saturate the color by 10%, you get **44.8484, 28.4555, 3.2006**, and if you desaturate by 10%, it is **48.9454, 35.6246, 7.7258**.

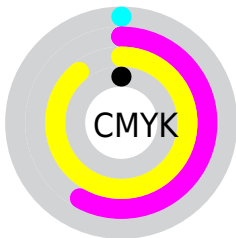
Distribution



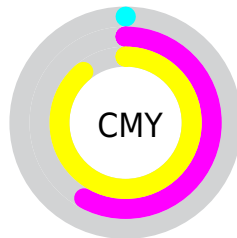
- Red (100%)
- Green (42%)
- Blue (11%)



- Red (100%)
- Yellow (58%)
- Blue (11%)



- Cyan (0%)
- Magenta (58%)
- Yellow (89%)
- Black (0%)





- Cyan (0%)
- Magenta (58%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6036, 31.6519, 4.7518 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 46.6036, 31.6519, 4.7518 by changing the saturation by 10% instead.


 46.6036, 31.6519,
4.7518


 46.6036, 31.6519,
4.7518

363.9054,
309.5305, 156.2472

 32.9290, 21.0958,
2.0462


 84.3440, 62.2650,
15.7095


 22.2311, 13.1940,
0.5835


 109.1405, 83.0907,
24.7988


 14.1443, 7.5623,
0.0000


 138.3750,
108.1084, 36.8530

 8.3035, 3.8162,
0.0000

 172.4129,
137.7025, 52.2907

 4.3432, 1.5713,
0.0000

 211.6195,
172.2573, 71.5304

 1.8981, 0.3381,
0.0000

 256.3603,

 0.5757, 0.0000,

212.1574, 94.9907

0.0000

307.0005,
257.7869, 123.0901

0.0000, 0.0000,
0.0000

46.6036, 31.6519,
4.7518

46.6036, 31.6519,
4.7518

44.8484, 28.4555,
3.2006

48.9454, 35.6246,
7.7258

44.6990, 28.1785,
3.0831

51.9538, 40.4300,
12.4633

55.6895, 46.1206,
19.1982

60.2046, 52.7425,
28.1275

65.5458, 60.3380,
39.4242

71.7558, 68.9468,
53.2440

78.8742, 78.6060,
69.7289

86.9378, 89.3507,
89.0105

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



56.3529, 31.6519, 16.2115



46.6036, 31.6519, 4.7518



33.7773, 31.6519, 1.9673

Triad

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



46.6036, 31.6519, 4.7518



12.8966, 31.6519, 25.2600



38.8435, 31.6519, 136.3908

Complementary

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



46.6036, 31.6519, 4.7518



34.2497, 38.9085, 100.3118

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.



26.6706, 31.6519, 145.1607



46.6036, 31.6519, 4.7518



13.5901, 31.6519, 62.9328

Square

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



46.6036, 31.6519, 4.7518



15.7902, 31.6519, 7.7199



18.0181, 31.6519, 112.4922



51.1266, 31.6519, 93.0924

Rectangle

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



46.6036, 31.6519, 4.7518



26.0259, 31.6519, 2.0205



18.0181, 31.6519, 112.4922



34.5438, 31.6519, 144.2351

Sweetspot

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



46.6043, 31.6537, 4.7523



73.1186, 70.8109, 56.3521



49.8255, 25.3587, 45.0937



15.1617, 14.4870, 10.9498



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.



46.6043, 31.6537, 4.7523



44.6994, 28.1788, 3.0831



66.3051, 71.0552, 11.3192



18.5197, 19.0075, 18.8371



23.4808, 14.9728, 1.6525



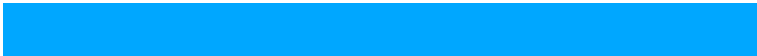
2.3833, 1.6519, 0.1932

Inverse Universe

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



34.2497, 38.9085, 100.3118



31.9367, 34.9934, 99.6789



20.4675, 11.3442, 95.7178



17.9985, 19.3686, 23.0398



16.8321, 18.5739, 52.1326



1.7407, 2.0121, 5.1099

Previews

White Background



This preview shows how the XYZ color 46.6036, 31.6519, 4.7518 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 46.6036, 31.6519, 4.7518 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 46.6036, 31.6519, 4.7518

Background



This preview shows how black text looks on a background with the XYZ color 46.6036, 31.6519, 4.7518.



This preview shows how white text looks on a background with the XYZ color 46.6036, 31.6519,

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

46.6036, 31.6519, 4.7518

Protanopia

28.7875, 31.7063, 6.6102

Deuteranopia

32.1177, 31.5883, 4.4044



Tritanopia

48.5475, 31.6289, 17.4562

Trichromacy



Original Color

46.6036, 31.6519, 4.7518

Protanomaly

33.4797, 30.2923, 5.7515

Deuteranomaly

36.4900, 30.8534, 4.3192

Tritanomaly

47.4654, 31.5106, 10.7882

Monochromacy



Original Color

46.6036, 31.6519, 4.7518

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

29.7277, 26.7074, 15.9001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6036, 31.6519, 4.7518 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, 106, 28)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 28)  
}
```

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, 106, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 28) }
```

Border

The CSS property to change the border of an element to XYZ 46.6036, 31.6519, 4.7518 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, 106, 28) }
```


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

```
.border{ border-color:rgb(255, 106, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 28);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6036, 31.6519, 4.7518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 28) }
```

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

```
.background{ background-color: rgb(255,  
106, 28) }
```

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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