

Converting Colors

XYZ(46.5905, 31.0045, 6.6629)

Have a look what the booklet for
XYZ(46.5905, 31.0045, 6.6629)
contains.

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Color

**XYZ(46.5889, 31.0018,
6.6604)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FF6633 |
| RGB | 255, 102, 51 |
| RGB Percent | 100%, 40%, 20% |
| CMY | 0.0000, 0.6000, 0.8000 |
| CMYK | 0.00, 0.60, 0.80, 0.00 |
| HSL | 15°, 100%, 60% |
| HSV | 15°, 80%, 100% |
| XYZ | 46.5889, 31.0018, 6.6604 |
| YIQ | 141.9330, 107.5590, 16.5750 |

Conversions

Conversions Part 2

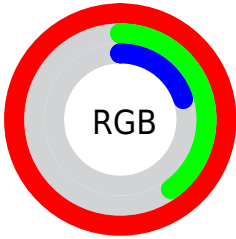
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 119, 51 |
| Decimal | 16737843 |
| CIE _{Lab} | 62.51, 55.83, 56.56 |
| CIE _{LCh} | 63, 79.472, 45.371 |
| Yxy | 31.0018, 0.5530, 0.3680 |
| Android (android.graphics.Color) | 4294927923 (0xFFFF6633) |
| YUV | 141.9330, -44.8300, 99.1598 |
| Hunter-Lab | 55.6793, 51.9189, 31.8832 |

Details

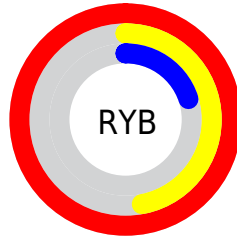
The XYZ color **46.5889, 31.0018, 6.6604** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **41.0058, 51.1051, 102.3100**, and the grayscale version is **25.8280, 27.1730, 29.5914**.

A 20% lighter version of the original color is **55.8158, 46.6533, 18.3751**, and **22.1736, 12.8239, 1.3066** is the 20% darker color. If you saturate the color by 10%, you get **44.5051, 27.5013, 3.9109**, and if you desaturate by 10%, it is **49.4153, 35.4959, 11.1762**.

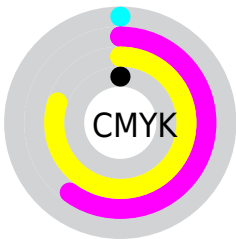
Distribution



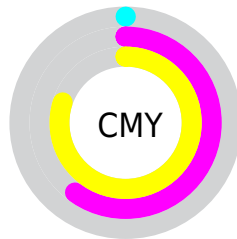
- Red (100%)
- Green (40%)
- Blue (20%)



- Red (100%)
- Yellow (47%)
- Blue (20%)



- Cyan (0%)
- Magenta (60%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5889, 31.0018, 6.6604 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 46.5889, 31.0018, 6.6604 by changing the saturation by 10% instead.


 46.5889, 31.0018,
6.6604


 46.5889, 31.0018,
6.6604


363.8476,
306.5466, 174.3337

 32.9174, 20.6002,
3.1754


 84.3221, 61.2429,
19.7878


 22.2221, 12.8321,
1.1849


 109.1145, 81.8512,
30.2673


 14.1377, 7.3130,
0.0000


 138.3446,
106.6306, 43.9154

 8.2988, 3.6586,
0.0000

 172.3777,
135.9653, 61.1506

 4.3402, 1.4845,
0.0000

 211.5792,
170.2399, 82.3916

 1.8963, 0.2778,
0.0000

 256.3145,

 0.5747, 0.0000,

209.8388, 108.0567

0.0000

306.9488,
255.1462, 138.5646

■ 0.0000, 0.0000,
0.0000

■ 46.5889, 31.0018,
6.6604

■ 46.5889, 31.0018,
6.6604

■ 44.5051, 27.5013,
3.9109

■ 49.4153, 35.4959,
11.1762

■ 43.0597, 24.8999,
2.5367

■ 53.0538, 41.0507,
17.6981

■ 43.0596, 24.8997,
2.5366

■ 57.5670, 47.7329,
26.4297

■ 63.0106, 55.6020,
37.5488

■ 69.4353, 64.7131,
51.2150

■ 76.8880, 75.1179,
67.5742

■ 85.4125, 86.8649,
86.7609

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.



54.3586, 31.0018, 20.3215



46.5889, 31.0018, 6.6604



35.0266, 31.0018, 2.7200

Triad

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



46.5889, 31.0018, 6.6604



13.5980, 31.0018, 20.8562



35.3187, 31.0018, 129.6622

Complementary

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



46.5889, 31.0018, 6.6604



41.0058, 51.1051, 102.3100

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.



24.5280, 31.0018, 130.1514



46.5889, 31.0018, 6.6604



13.6396, 31.0018, 52.0949

Square

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



46.5889, 31.0018, 6.6604



17.0237, 31.0018, 6.8466



17.1559, 31.0018, 96.2095



46.8473, 31.0018, 95.1196

Rectangle

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



46.5889, 31.0018, 6.6604



27.5655, 31.0018, 2.4208



17.1559, 31.0018, 96.2095



31.4525, 31.0018, 134.2922

Sweetspot

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



46.5896, 31.0036, 6.6609



73.7808, 70.7974, 60.6978



53.3226, 27.9872, 59.7182



15.2301, 14.3680, 11.7610



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.



46.5896, 31.0036, 6.6609



43.5753, 25.8413, 2.9841



63.4300, 64.6844, 12.2744



18.3783, 18.7249, 18.7899



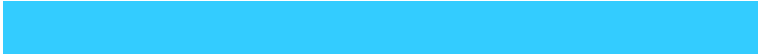
22.5984, 13.2081, 1.3583



2.2825, 1.4504, 0.1597

Inverse Universe

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



41.0058, 51.1051, 102.3100



37.4226, 45.7756, 101.4709



24.1666, 17.4267, 96.6969



18.1476, 19.6669, 23.0896



19.3185, 23.5466, 52.9613



1.9675, 2.4657, 5.1855

Previews

White Background



This preview shows how the XYZ color 46.5889, 31.0018, 6.6604 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 46.5889, 31.0018, 6.6604 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 46.5889, 31.0018, 6.6604

Background



This preview shows how black text looks on a background with the XYZ color 46.5889, 31.0018, 6.6604.



This preview shows how white text looks on a background with the XYZ color 46.5889, 31.0018,

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

46.5889, 31.0018, 6.6604

Protanopia

28.3308, 31.1630, 9.5229

Deuteranopia

31.8090, 31.1628, 6.1722



Tritanopia

48.1064, 30.9948, 16.5438

Trichromacy



Original Color

46.5889, 31.0018, 6.6604

Protanomaly

33.1601, 29.6558, 8.2514

Deuteranomaly

36.0179, 30.1711, 6.2108

Tritanomaly

47.3415, 30.8396, 12.0518

Monochromacy



Original Color

46.5889, 31.0018, 6.6604

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

29.8781, 26.3502, 17.9793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5889, 31.0018, 6.6604 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, 102, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 51)  
}
```

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, 102, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 51) }
```

Border

The CSS property to change the border of an element to XYZ 46.5889, 31.0018, 6.6604 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, 102, 51) }
```


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

```
.border{ border-color:rgb(255, 102, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5889, 31.0018, 6.6604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 51) }
```

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

```
.background{ background-color: rgb(255,  
102, 51) }
```

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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