

Converting Colors

XYZ(46.8776, 31.5791, 6.7566)

Have a look what the booklet for
XYZ(46.8776, 31.5791, 6.7566)
contains.

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Color

**XYZ(46.8891, 31.6022,
6.7605)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6933
RGB	255, 105, 51
RGB Percent	100%, 41%, 20%
CMY	0.0000, 0.5882, 0.8000
CMYK	0.00, 0.59, 0.80, 0.00
HSL	16°, 100%, 60%
HSV	16°, 80%, 100%
XYZ	46.8891, 31.6022, 6.7605
YIQ	143.6940, 106.7340, 15.0060

Conversions

Conversions Part 2

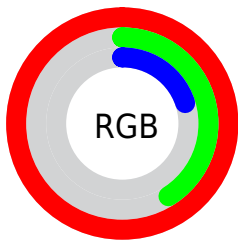
Format	Color
R_{YB}	255, 124, 51
Decimal	16738611
CIE Lab	63.01, 54.50, 57.03
CIE LCh	63, 78.889, 46.299
Yxy	31.6022, 0.5500, 0.3707
Android (android.graphics.Color)	4294928691 (0xFFFF6933)
YUV	143.6940, -45.6981, 97.6154
Hunter-Lab	56.2158, 50.5075, 32.2209

Details

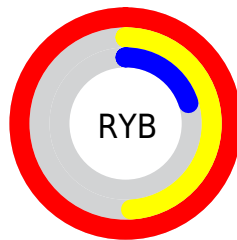
The XYZ color **46.8891, 31.6022, 6.7605** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **40.2998, 49.6930, 102.0746**, and the grayscale version is **26.5354, 27.9173, 30.4019**.

A 20% lighter version of the original color is **56.2091, 47.3609, 18.7494**, and **22.3335, 13.1438, 1.3599** is the 20% darker color. If you saturate the color by 10%, you get **44.7692, 28.0295, 3.9990**, and if you desaturate by 10%, it is **49.7391, 36.1435, 11.2842**.

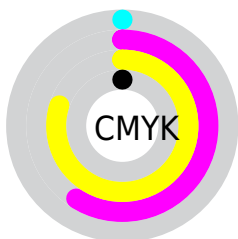
Distribution



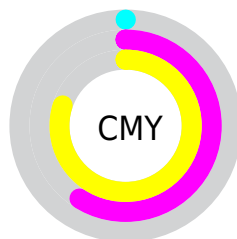
- Red (100%)
- Green (41%)
- Blue (20%)



- Red (100%)
- Yellow (49%)
- Blue (20%)



- Cyan (0%)
- Magenta (59%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (59%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8891, 31.6022, 6.7605 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 46.8891, 31.6022, 6.7605 by changing the saturation by 10% instead.


 46.8891, 31.6022,
6.7605


 46.8891, 31.6022,
6.7605

365.0280,
309.3031, 175.2133

 33.1556, 21.0578,
3.2366


 84.7678, 62.1869,
19.9944


 22.4055, 13.1663,
1.2167


 109.6437, 82.9961,
30.5414


 14.2734, 7.5432,
0.0000


 138.9644,
107.9957, 44.2666

 8.3940, 3.8040,
0.0000

 173.0953,
137.5700, 61.5884

 4.4020, 1.5646,
0.0000

 212.4018,
172.1035, 82.9255

 1.9320, 0.3335,
0.0000

 257.2492,

 0.5953, 0.0000,

211.9806, 108.6963

0.0000

308.0028,
257.5857, 139.3193

■ 0.0000, 0.0000,
0.0000

■ 46.8891, 31.6022,
6.7605

■ 46.8891, 31.6022,
6.7605

■ 44.7692, 28.0295,
3.9990

■ 49.7391, 36.1435,
11.2842

■ 43.2774, 25.3353,
2.6093

■ 53.3867, 41.7165,
17.8092

■ 43.2773, 25.3351,
2.6092

■ 57.8929, 48.3847,
26.5384

■ 63.3119, 56.2044,
37.6493

■ 69.6929, 65.2281,
51.3011

■ 77.0816, 75.5049,
67.6389

■ 85.5206, 87.0810,
86.7972

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.



54.8553, 31.6022, 20.2117



46.8891, 31.6022, 6.7605



35.2571, 31.6022, 2.8792

Triad

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



46.8891, 31.6022, 6.7605



13.9793, 31.6022, 22.1036



36.2839, 31.6022, 129.5850

Complementary

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



46.8891, 31.6022, 6.7605



40.2998, 49.6930, 102.0746

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.



25.3593, 31.6022, 131.2900



46.8891, 31.6022, 6.7605



14.1269, 31.6022, 54.0602

Square

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



46.8891, 31.6022, 6.7605



17.3328, 31.6022, 7.4289



17.8006, 31.6022, 98.2444



47.7952, 31.6022, 94.4385

Rectangle

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



46.8891, 31.6022, 6.7605



27.8046, 31.6022, 2.6304



17.8006, 31.6022, 98.2444



32.3856, 31.6022, 134.5898

Sweetspot

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



46.8898, 31.6040, 6.7610



74.0024, 71.2405, 60.7717



53.3226, 27.9873, 59.7183



15.2823, 14.4724, 11.7784



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.



46.8898, 31.6040, 6.7610



43.8127, 26.3159, 3.0632



63.4300, 64.6845, 12.2744



18.4004, 18.7690, 18.7973



22.7166, 13.4445, 1.3978



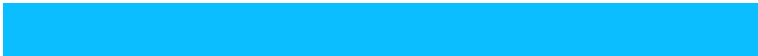
2.2967, 1.4787, 0.1644

Inverse Universe

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



40.2998, 49.6930, 102.0746



36.6323, 44.1950, 101.2075



24.1667, 17.4268, 96.6969



18.1241, 19.6198, 23.0817



18.9000, 22.7096, 52.8218



1.9297, 2.3902, 5.1729

Previews

White Background



This preview shows how the XYZ color 46.8891, 31.6022, 6.7605 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 46.8891, 31.6022, 6.7605 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 46.8891, 31.6022, 6.7605

Background



This preview shows how black text looks on a background with the XYZ color 46.8891, 31.6022, 6.7605.



This preview shows how white text looks on a background with the XYZ color 46.8891, 31.6022,

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

46.8891, 31.6022, 6.7605

Protanopia

28.8942, 31.6987, 9.4461

Deuteranopia

32.2135, 31.5972, 6.2348



Tritanopia

48.5475, 31.6289, 17.4562

Trichromacy



Original Color

46.8891, 31.6022, 6.7605

Protanomaly

33.6810, 30.3416, 8.2190

Deuteranomaly

36.4430, 30.5868, 6.2686

Tritanomaly

47.7117, 31.4509, 12.5728

Monochromacy



Original Color

46.8891, 31.6022, 6.7605

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.5643, 27.2814, 18.4068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8891, 31.6022, 6.7605 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, 105, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 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, 105, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 51) }
```

Border

The CSS property to change the border of an element to XYZ 46.8891, 31.6022, 6.7605 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, 105, 51) }
```


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

```
.border{ border-color:rgb(255, 105, 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, 105, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8891, 31.6022, 6.7605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 51) }
```

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

```
.background{ background-color: rgb(255,  
105, 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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