

Converting Colors

XYZ(46.0881, 30.9556, 3.5480)

Have a look what the booklet for
XYZ(46.0881, 30.9556, 3.5480)
contains.

XYZ(46.0902, 30.9605, 3.5467)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.0902, 30.9605,
3.5467)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6700
RGB	255, 103, 0
RGB Percent	100%, 40%, 0%
CMY	0.0000, 0.5960, 1.0000
CMYK	0.00, 0.60, 1.00, 0.00
HSL	24°, 100%, 50%
HSV	24°, 100%, 100%
XYZ	46.0902, 30.9605, 3.5467
YIQ	136.7060, 123.6550, 0.1910

Conversions

Conversions Part 2

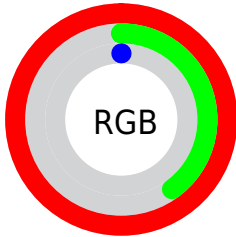
Format	Color
R_{YB}	255, 173, 0
Decimal	16738048
CIE _{Lab}	62.47, 54.57, 71.43
CIE _{LCh}	62, 89.887, 52.621
Yxy	30.9605, 0.5719, 0.3841
Android (android.graphics.Color)	4294928128 (0xFFFF6700)
YUV	136.7060, -67.3961, 103.7438
Hunter-Lab	55.6422, 50.4835, 35.1703

Details

The XYZ color **46.0902, 30.9605, 3.5467** is a dark color, and the websafe version is hex **FF6600**, and the color name is [safety orange \(blaze orange\)](#). The color can be described as dark saturated orange. A complement of this color would be **29.2771, 29.6744, 98.7915**, and the grayscale version is **23.8820, 25.1257, 27.3619**.

A 20% lighter version of the original color is **54.5102, 46.1311, 11.5000**, and **22.2517, 12.9802, 1.3326** is the 20% darker color. If you saturate the color by 10%, you get **46.0906, 30.9617, 3.5470**, and if you desaturate by 10%, it is **47.9237, 34.3384, 5.0506**.

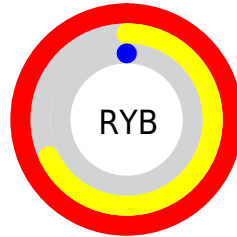
Distribution



Red (100%)

Green (40%)

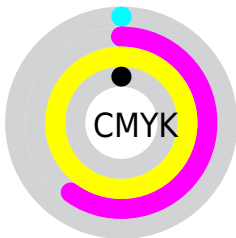
Blue (0%)



Red (100%)

Yellow (68%)

Blue (0%)

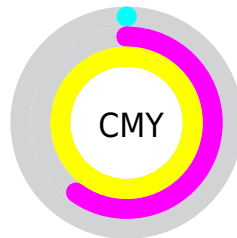


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0902, 30.9605, 3.5467 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 46.0902, 30.9605, 3.5467 by changing the saturation by 10% instead.


 46.0902, 30.9605,
3.5467


 46.0902, 30.9605,
3.5467


361.8810,
306.3563, 143.0452


 32.5219, 20.5688,
1.3801


 83.5810, 61.1779,
12.9500


 21.9179, 12.8092,
0.1261


 108.2343, 81.7723,
21.0239


 13.9129, 7.2973,
0.0000

 137.3132,
106.5364, 31.9039

 8.1414, 3.6487,
0.0000

 171.1832,
135.8547, 46.0086

 4.2381, 1.4791,
0.0000

 210.2097,
170.1114, 63.7565


 1.8377, 0.2739,
0.0000

 254.7579,


 0.5402, 0.0000,


209.6909, 85.5662


0.0000


 305.1932,
254.9778, 111.8563


 0.0000, 0.0000,
0.0000


 46.0902, 30.9605,
3.5467


 46.0902, 30.9605,
3.5467


 46.0906, 30.9617,
3.5470

 47.9237, 34.3384,
5.0506

 50.2808, 38.3859,
7.8916

 53.2472, 43.1595,
12.4540

 56.8790, 48.7010,
18.9739

 61.2246, 55.0478,
27.6498

66.3272, 62.2347,
38.6555

72.2260, 70.2940,
52.1467

78.9573, 79.2558,
68.2656

86.5549, 89.1491,
87.1436

Harmonies

Analogous

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



56.8282, 30.9605, 13.9093



46.0902, 30.9605, 3.5467



32.5440, 30.9605, 1.3385

Triad

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



46.0902, 30.9605, 3.5467



11.7543, 30.9605, 25.7972



39.4042, 30.9605, 141.5351

Complementary

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



46.0902, 30.9605, 3.5467



29.2771, 29.6744, 98.7915

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.



26.5157, 30.9605, 153.8815



46.0902, 30.9605, 3.5467



12.6496, 30.9605, 66.7193

Square

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



46.0902, 30.9605, 3.5467



14.4445, 30.9605, 7.1615



17.3591, 30.9605, 120.2450



52.2827, 30.9605, 93.1608

Rectangle

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



46.0902, 30.9605, 3.5467



24.5929, 30.9605, 1.4666



17.3591, 30.9605, 120.2450



34.8565, 30.9605, 150.9638

Sweetspot

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



46.0909, 30.9623, 3.5472



72.2255, 70.2931, 52.1444



46.9895, 23.5598, 32.2084



14.9056, 14.2951, 9.8767



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.



46.0909, 30.9623, 3.5472



46.0910, 30.9620, 3.5470



69.3974, 77.5753, 11.3160



18.6117, 19.1916, 18.8677



24.2206, 16.4524, 1.8991



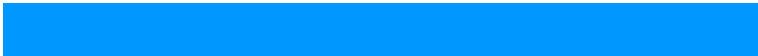
2.4621, 1.8095, 0.2195

Inverse Universe

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



29.2771, 29.6744, 98.7915



29.2770, 29.6740, 98.7923



18.4084, 7.9370, 95.1686



17.9034, 19.1784, 23.0081



15.4482, 15.8060, 51.6712



1.6114, 1.7534, 5.0668

Previews

White Background



This preview shows how the XYZ color 46.0902, 30.9605, 3.5467 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 46.0902, 30.9605, 3.5467 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 46.0902, 30.9605, 3.5467

Background



This preview shows how black text looks on a background with the XYZ color 46.0902, 30.9605, 3.5467.



This preview shows how white text looks on a background with the XYZ color 46.0902, 30.9605,

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

46.0902, 30.9605, 3.5467

Protanopia

28.1983, 31.1846, 5.4527

Deuteranopia

31.4591, 31.0229, 4.3299



Tritanopia

48.1064, 30.9948, 16.5438

Trichromacy



Original Color

46.0902, 30.9605, 3.5467

Protanomaly

32.9757, 29.6442, 4.4741

Deuteranomaly

35.5818, 29.9967, 3.9146

Tritanomaly

46.7805, 30.7677, 8.6274

Monochromacy



Original Color

46.0902, 30.9605, 3.5467

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

27.8763, 25.0586, 12.3844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0902, 30.9605, 3.5467 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 0) }
```

Border

The CSS property to change the border of an element to XYZ 46.0902, 30.9605, 3.5467 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, 0) }
```


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

```
.border{ border-color:rgb(255, 103, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0902, 30.9605, 3.5467 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, 0) }
```

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

```
.background{ background-color: rgb(255,  
103, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor