

Converting Colors

XYZ(46.5654, 31.0576, 6.3369)

Have a look what the booklet for
XYZ(46.5654, 31.0576, 6.3369)
contains.

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Color

**XYZ(46.5249, 30.9761,
6.3232)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6630
RGB	255, 102, 48
RGB Percent	100%, 40%, 19%
CMY	0.0000, 0.6000, 0.8118
CMYK	0.00, 0.60, 0.81, 0.00
HSL	16°, 100%, 59%
HSV	16°, 81%, 100%
XYZ	46.5249, 30.9761, 6.3232
YIQ	141.5910, 108.5220, 15.6420

Conversions

Conversions Part 2

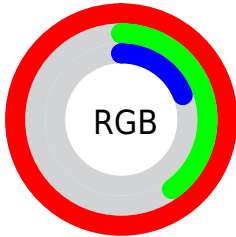
Format	Color
R _Y B	255, 121, 48
Decimal	16737840
CIE Lab	62.49, 55.74, 57.87
CIE LCh	62, 80.353, 46.074
Yxy	30.9761, 0.5550, 0.3695
Android (android.graphics.Color)	4294927920 (0xFFFF6630)
YUV	141.5910, -46.1404, 99.4597
Hunter-Lab	55.6562, 51.8159, 32.2233

Details

The XYZ color **46.5249, 30.9761, 6.3232** 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 **40.1537, 49.6180, 102.0681**, and the grayscale version is **25.6972, 27.0355, 29.4416**.

A 20% lighter version of the original color is **55.7190, 46.6146, 17.8652**, and **22.1736, 12.8239, 1.3066** is the 20% darker color. If you saturate the color by 10%, you get **44.4952, 27.5312, 3.7536**, and if you desaturate by 10%, it is **49.2790, 35.3874, 10.6241**.

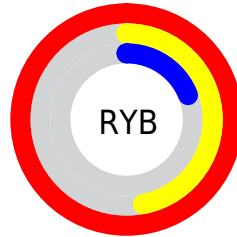
Distribution



Red (100%)

Green (40%)

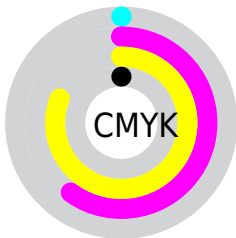
Blue (19%)



Red (100%)

Yellow (47%)

Blue (19%)

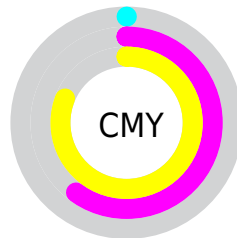


Cyan (0%)

Magenta (60%)

Yellow (81%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5249, 30.9761, 6.3232 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 46.5249, 30.9761, 6.3232 by changing the saturation by 10% instead.


 46.5249, 30.9761,
6.3232

 46.5249, 30.9761,
6.3232


363.5956,
306.4282, 171.3269


 32.8666, 20.5806,
2.9706


 84.2271, 61.2024,
19.0873

 22.1830, 12.8178,
1.0797


 109.0017, 81.8021,
29.3358


 14.1088, 7.3032,
0.0000


 138.2124,
106.5720, 42.7201

 8.2786, 3.6524,
0.0000

 172.2246,
135.8965, 59.6588

 4.3270, 1.4811,
0.0000

 211.4037,
170.1599, 80.5702

 1.8888, 0.2754,
0.0000

 256.1150,

 0.5703, 0.0000,

209.7468, 105.8730

0.0000

306.7238,
255.0414, 135.9857

■ 0.0000, 0.0000,
0.0000

■ 46.5249, 30.9761,
6.3232

■ 46.5249, 30.9761,
6.3232

■ 44.4952, 27.5312,
3.7536

■ 49.2790, 35.3874,
10.6241


■ 43.2191, 25.2187,
2.5898

■ 52.8267, 40.8302,
16.9016

■ 57.2305, 47.3695,
25.3625

■ 62.5455, 55.0631,
36.1867

■ 68.8219, 63.9645,
49.5354

 76.1060, 74.1238,
65.5555

 84.4411, 85.5882,
84.3826

 93.8677, 98.4023,
106.1430

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



54.5509, 30.9761, 19.6776



46.5249, 30.9761, 6.3232



34.7848, 30.9761, 2.5649

Triad

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



46.5249, 30.9761, 6.3232



13.4133, 30.9761, 21.2361



35.6407, 30.9761, 130.6648

Complementary

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



46.5249, 30.9761, 6.3232



40.1537, 49.6180, 102.0681

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.



24.6761, 30.9761, 132.1081



46.5249, 30.9761, 6.3232



13.5342, 30.9761, 53.2477

Square

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



46.5249, 30.9761, 6.3232



16.7697, 30.9761, 6.8594



17.1547, 30.9761, 98.1445



47.2835, 30.9761, 94.9339

Rectangle

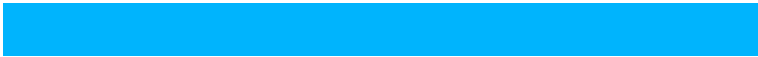
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.5249, 30.9761, 6.3232



27.2774, 30.9761, 2.3169



17.1547, 30.9761, 98.1445



31.7179, 30.9761, 135.6898

Sweetspot

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



46.5256, 30.9779, 6.3237



73.9444, 71.1246, 60.7524



53.1061, 27.6977, 59.2034



15.2686, 14.4451, 11.7739



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.



46.5256, 30.9779, 6.3237



43.6113, 25.9355, 2.9272



63.1883, 64.3034, 11.8779



18.3947, 18.7575, 18.7954



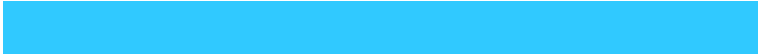
22.6851, 13.3814, 1.3872



2.2929, 1.4712, 0.1631

Inverse Universe

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



40.1537, 49.6180, 102.0681



36.6600, 44.2978, 101.2259



23.8023, 16.9151, 96.6176



18.1302, 19.6321, 23.0838



19.0083, 22.9262, 52.8579



1.9395, 2.4097, 5.1762

Previews

White Background



This preview shows how the XYZ color 46.5249, 30.9761, 6.3232 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 46.5249, 30.9761, 6.3232 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 46.5249, 30.9761, 6.3232

Background



This preview shows how black text looks on a background with the XYZ color 46.5249, 30.9761, 6.3232.



This preview shows how white text looks on a background with the XYZ color 46.5249, 30.9761,

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

46.5249, 30.9761, 6.3232

Protanopia

28.4327, 31.2284, 8.9440

Deuteranopia

31.7478, 31.1384, 5.8504



Tritanopia

48.1064, 30.9948, 16.5438

Trichromacy



Original Color

46.5249, 30.9761, 6.3232

Protanomaly

33.0583, 29.6151, 7.7153

Deuteranomaly

35.9480, 30.1431, 5.8430

Tritanomaly

47.3021, 30.8238, 11.8440

Monochromacy



Original Color

46.5249, 30.9761, 6.3232

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

29.8246, 26.3287, 17.6974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5249, 30.9761, 6.3232 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 48) }
```

Border

The CSS property to change the border of an element to XYZ 46.5249, 30.9761, 6.3232 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, 48) }
```


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

```
.border{ border-color:rgb(255, 102, 48) }
```

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, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5249, 30.9761, 6.3232 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, 48) }
```

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

```
.background{ background-color: rgb(255,  
102, 48) }
```

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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