

Converting Colors

XYZ(45.2778, 30.7191, 3.5430)

Have a look what the booklet for
XYZ(45.2778, 30.7191, 3.5430)
contains.

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Color

**XYZ(45.0952, 30.5961,
3.5289)**

Conversions

Conversions Part 1

Format	Color
Hex	FC6800
RGB	252, 104, 0
RGB Percent	99%, 41%, 0%
CMY	0.0118, 0.5921, 1.0000
CMYK	0.00, 0.59, 1.00, 0.01
HSL	25°, 100%, 49%
HSV	25°, 100%, 99%
XYZ	45.0952, 30.5961, 3.5289
YIQ	136.3960, 121.5920, -0.9680

Conversions

Conversions Part 2

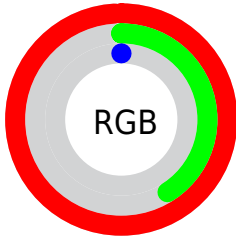
Format	Color
RYB	252, 177, 0
Decimal	16541696
CIELab	62.17, 53.05, 71.00
CIELCh	62, 88.633, 53.232
Yxy	30.5961, 0.5692, 0.3862
Android (android.graphics.Color)	4294731776 (0xFFFC6800)
YUV	136.3960, -67.2432, 101.3847
Hunter-Lab	55.3137, 48.7252, 34.9370

Details

The XYZ color **45.0952, 30.5961, 3.5289** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **28.1601, 28.2073, 96.0550**, and the grayscale version is **23.7648, 25.0024, 27.2276**.

A 20% lighter version of the original color is **54.6815, 46.4736, 11.5571**, and **21.5505, 12.6787, 1.3114** is the 20% darker color. If you saturate the color by 10%, you get **45.0953, 30.5969, 3.5290**, and if you desaturate by 10%, it is **46.8964, 33.9146, 5.0060**.

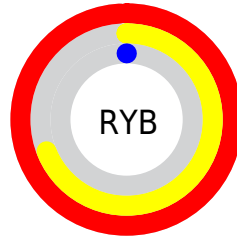
Distribution



Red (99%)

Green (41%)

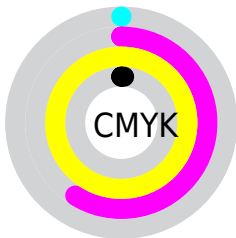
Blue (0%)



Red (99%)

Yellow (69%)

Blue (0%)

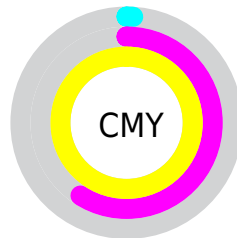


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0952, 30.5961, 3.5289 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 45.0952, 30.5961, 3.5289 by changing the saturation by 10% instead.


 45.0952, 30.5961,
3.5289


 45.0952, 30.5961,
3.5289

357.9362,
304.6732, 142.8356


 31.7340, 20.2915,
1.3706


 82.0994, 60.6036,
12.9078


 21.3130, 12.6071,
0.1187


 106.4732, 81.0753,
20.9655

 13.4667, 7.1586,
0.0000


 135.2485,
105.7048, 31.8268

 7.8299, 3.5615,
0.0000

 168.7908,
134.8765, 45.9102

 4.0372, 1.4314,
0.0000

 207.4653,
168.9748, 63.6342


 1.7232, 0.2397,
0.0000

 251.6375,


 0.4707, 0.0000,


208.3841, 85.4175


0.0000


 301.6727,
253.4888, 111.6784


 0.0000, 0.0000,
0.0000


 45.0952, 30.5961,
3.5289


 45.0952, 30.5961,
3.5289


 45.0953, 30.5969,
3.5290

 46.8964, 33.9146,
5.0060

 49.2002, 37.8712,
7.7807

 52.0894, 42.5196,
12.2279

 55.6181, 47.8991,
18.5766

 59.8326, 54.0453,
27.0195

64.7744, 60.9906,
37.7250

70.4812, 68.7656,
50.8443

76.9877, 77.3989,
66.5154

84.3264, 86.9175,
84.8659

Harmonies

Analogous

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



55.6795, 30.5961, 13.5310



45.0952, 30.5961, 3.5289



31.8700, 30.5961, 1.3908

Triad

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



45.0952, 30.5961, 3.5289



11.7252, 30.5961, 26.1529



39.1058, 30.5961, 137.5694

Complementary

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



45.0952, 30.5961, 3.5289



28.1601, 28.2073, 96.0550

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.



26.4590, 30.5961, 150.4939



45.0952, 30.5961, 3.5289



12.6783, 30.5961, 66.5495

Square

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



45.0952, 30.5961, 3.5289



14.2978, 30.5961, 7.4261



17.3926, 30.5961, 118.5796



51.6125, 30.5961, 90.1786

Rectangle

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



45.0952, 30.5961, 3.5289



24.1373, 30.5961, 1.5515



17.3926, 30.5961, 118.5796



34.6568, 30.5961, 147.0039

Sweetspot

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



45.0959, 30.5979, 3.5294



72.3908, 70.6237, 52.1995



45.7470, 22.9364, 31.3805



14.9444, 14.3727, 9.8896



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.



45.0959, 30.5979, 3.5294



46.3164, 31.4128, 3.6221



67.5590, 75.5241, 11.0171



17.8330, 18.4019, 18.0744



23.6278, 16.2123, 1.8840



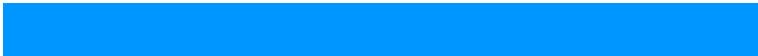
2.2900, 1.7048, 0.2084

Inverse Universe

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



28.1601, 28.2073, 96.0550



28.9175, 28.9551, 98.6725



17.9227, 7.7324, 92.6425



17.1302, 18.3373, 22.0219



14.8176, 14.9907, 50.0861



1.4768, 1.5973, 4.6737

Previews

White Background



This preview shows how the XYZ color 45.0952, 30.5961, 3.5289 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 45.0952, 30.5961, 3.5289 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 45.0952, 30.5961, 3.5289

Background



This preview shows how black text looks on a background with the XYZ color 45.0952, 30.5961, 3.5289.



This preview shows how white text looks on a background with the XYZ color 45.0952, 30.5961,

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

45.0952, 30.5961, 3.5289

Protanopia

27.8090, 30.7452, 5.3329

Deuteranopia

31.0577, 30.5921, 4.2679



Tritanopia

47.5959, 30.5995, 16.2297

Trichromacy



Original Color

45.0952, 30.5961, 3.5289

Protanomaly

32.4307, 29.3640, 4.4105

Deuteranomaly

35.2908, 29.8466, 3.9009

Tritanomaly

46.0486, 30.3903, 8.5932

Monochromacy



Original Color

45.0952, 30.5961, 3.5289

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

27.2880, 24.5684, 12.3208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0952, 30.5961, 3.5289 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(252, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 104, 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(252, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 104, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.0952, 30.5961, 3.5289 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(252, 104, 0) }
```


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

```
.border{ border-color:rgb(252, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 104,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0952, 30.5961, 3.5289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 104, 0) }
```

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

```
.background{ background-color: rgb(252,  
104, 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](#).

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