

Converting Colors

XYZ(45.1356, 30.4347, 3.4956)

Have a look what the booklet for
XYZ(45.1356, 30.4347, 3.4956)
contains.

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Color

**XYZ(44.9951, 30.3959,
3.4955)**

Conversions

Conversions Part 1

Format	Color
Hex	FC6700
RGB	252, 103, 0
RGB Percent	99%, 40%, 0%
CMY	0.0118, 0.5960, 1.0000
CMYK	0.00, 0.59, 1.00, 0.01
HSL	25°, 100%, 49%
HSV	25°, 100%, 99%
XYZ	44.9951, 30.3959, 3.4955
YIQ	135.8090, 121.8670, -0.4450

Conversions

Conversions Part 2

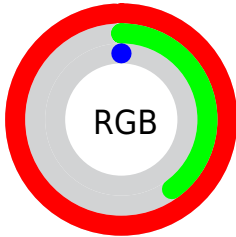
Format	Color
R_{YB}	252, 174, 0
Decimal	16541440
CIE _{Lab}	61.99, 53.50, 70.91
CIE _{LCh}	62, 88.828, 52.965
Yxy	30.3959, 0.5704, 0.3853
Android (android.graphics.Color)	4294731520 (0xFFFC6700)
YUV	135.8090, -66.9538, 101.8995
Hunter-Lab	55.1325, 49.1968, 34.8336

Details

The XYZ color **44.9951, 30.3959, 3.4955** 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 **28.3175, 28.5220, 96.1075**, and the grayscale version is **23.5424, 24.7685, 26.9729**.

A 20% lighter version of the original color is **54.5102, 46.1311, 11.5000**, and **21.5100, 12.5978, 1.2979** is the 20% darker color. If you saturate the color by 10%, you get **44.9953, 30.3968, 3.4957**, and if you desaturate by 10%, it is **46.7899, 33.7017, 4.9704**.

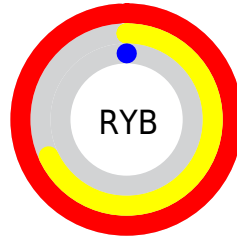
Distribution



Red (99%)

Green (40%)

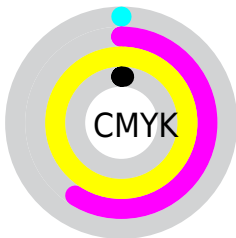
Blue (0%)



Red (99%)

Yellow (68%)

Blue (0%)

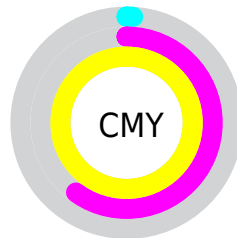


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9951, 30.3959, 3.4955 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 44.9951, 30.3959, 3.4955 by changing the saturation by 10% instead.


 44.9951, 30.3959,
3.4955

 44.9951, 30.3959,
3.4955


357.5377,
303.7455, 142.4410

 31.6548, 20.1393,
1.3529


 81.9502, 60.2877,
12.8284

 21.2523, 12.4963,
0.1045


 106.2957, 80.6917,
20.8558

 13.4220, 7.0826,
0.0000


 135.0403,
105.2469, 31.6819

 7.7988, 3.5138,
0.0000

 168.5494,
134.3378, 45.7251

 4.0172, 1.4055,
0.0000

 207.1884,
168.3487, 63.4041


 1.7119, 0.2208,
0.0000

 251.3225,


 0.4637, 0.0000,


207.6640, 85.1374


0.0000


 301.3172,
252.6681, 111.3435


 0.0000, 0.0000,
0.0000


 44.9951, 30.3959,
3.4955


 44.9951, 30.3959,
3.4955

 44.9953, 30.3968,
3.4957

 46.7899, 33.7017,
4.9704

 49.0904, 37.6516,
7.7440

 51.9795, 42.2998,
12.1910

 55.5115, 47.6860,
18.5408

 59.7332, 53.8464,
26.9859

64.6860, 60.8140,
37.6950

70.4081, 68.6195,
50.8193

76.9342, 77.2921,
66.4969

84.2971, 86.8591,
84.8552

Harmonies

Analogous

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



55.5219, 30.3959, 13.5349



44.9951, 30.3959, 3.4955



31.7869, 30.3959, 1.3521

Triad

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



44.9951, 30.3959, 3.4955



11.6012, 30.3959, 25.6957



38.7784, 30.3959, 137.6587

Complementary

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



44.9951, 30.3959, 3.4955



28.3175, 28.5220, 96.1075

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.



26.1754, 30.3959, 150.1879



44.9951, 30.3959, 3.4955



12.5185, 30.3959, 65.8476

Square

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



44.9951, 30.3959, 3.4955



14.1942, 30.3959, 7.2255



17.1759, 30.3959, 117.9112



51.2983, 30.3959, 90.3994

Rectangle

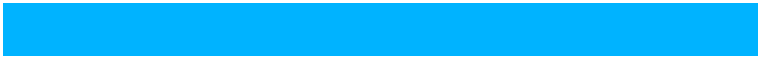
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.9951, 30.3959, 3.4955



24.0510, 30.3959, 1.4967



17.1759, 30.3959, 117.9112



34.3389, 30.3959, 146.9815

Sweetspot

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



44.9958, 30.3976, 3.4960



72.3159, 70.4740, 52.1745



45.7470, 22.9364, 31.3803



14.9268, 14.3375, 9.8838



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.



44.9958, 30.3976, 3.4960



46.2137, 31.2074, 3.5879



67.5589, 75.5240, 11.0171



17.8272, 18.3903, 18.0725



23.5750, 16.1067, 1.8664



2.2848, 1.6944, 0.2066

Inverse Universe

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



28.3175, 28.5220, 96.1075



29.0793, 29.2786, 98.7264



17.9227, 7.7324, 92.6425



17.1362, 18.3492, 22.0239



14.8994, 15.1544, 50.1134



1.4842, 1.6120, 4.6761

Previews

White Background



This preview shows how the XYZ color 44.9951, 30.3959, 3.4955 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 44.9951, 30.3959, 3.4955 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 44.9951, 30.3959, 3.4955

Background



This preview shows how black text looks on a background with the XYZ color 44.9951, 30.3959, 3.4955.



This preview shows how white text looks on a background with the XYZ color 44.9951, 30.3959,

3.4955.

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

44.9951, 30.3959, 3.4955

Protanopia

27.6043, 30.6384, 5.3786

Deuteranopia

31.0577, 30.5921, 4.2679



Tritanopia

47.4542, 30.3959, 15.9363

Trichromacy



Original Color

44.9951, 30.3959, 3.4955

Protanomaly

32.1718, 29.2297, 4.4365

Deuteranomaly

35.1597, 29.5845, 3.8573

Tritanomaly

45.9240, 30.1880, 8.4074

Monochromacy



Original Color

44.9951, 30.3959, 3.4955

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 44.9951, 30.3959, 3.4955 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, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 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(252, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 103, 0) }
```

Border

The CSS property to change the border of an element to XYZ 44.9951, 30.3959, 3.4955 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, 103, 0) }
```


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

```
.border{ border-color:rgb(252, 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(252, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 103,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9951, 30.3959, 3.4955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 103, 0) }
```

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

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

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