

Converting Colors

XYZ(46.5245, 31.8289, 3.6915)

Have a look what the booklet for
XYZ(46.5245, 31.8289, 3.6915)
contains.

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Color

**XYZ(46.4977, 31.7754,
3.6826)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6B00
RGB	255, 107, 0
RGB Percent	100%, 42%, 0%
CMY	0.0000, 0.5804, 1.0000
CMYK	0.00, 0.58, 1.00, 0.00
HSL	25°, 100%, 50%
HSV	25°, 100%, 100%
XYZ	46.4977, 31.7754, 3.6826
YIQ	139.0540, 122.5550, -1.9010

Conversions

Conversions Part 2

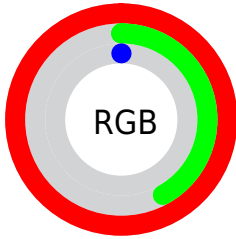
Format	Color
R_{YB}	255, 184, 0
Decimal	16739072
CIE Lab	63.16, 52.78, 71.80
CIE LCh	63, 89.111, 53.679
Yxy	31.7754, 0.5674, 0.3877
Android (android.graphics.Color)	4294929152 (0xFFFF6B00)
YUV	139.0540, -68.5536, 101.6846
Hunter-Lab	56.3697, 48.5925, 35.5854

Details

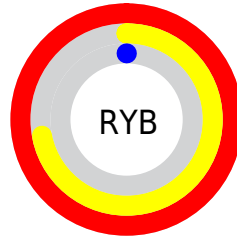
The XYZ color **46.4977, 31.7754, 3.6826** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **28.6395, 28.3991, 98.5791**, and the grayscale version is **24.7859, 26.0767, 28.3975**.

A 20% lighter version of the original color is **55.2345, 47.5303, 11.8933**, and **22.4632, 13.4031, 1.4031** is the 20% darker color. If you saturate the color by 10%, you get **46.4978, 31.7762, 3.6827**, and if you desaturate by 10%, it is **48.3568, 35.2044, 5.1952**.

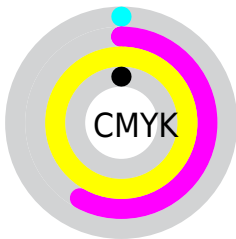
Distribution



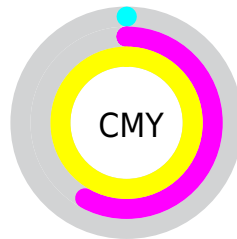
- Red (100%)
- Green (42%)
- Blue (0%)



- Red (100%)
- Yellow (72%)
- Blue (0%)



- Cyan (0%)
- Magenta (58%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (58%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4977, 31.7754, 3.6826 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 46.4977, 31.7754, 3.6826 by changing the saturation by 10% instead.


 46.4977, 31.7754,
3.6826


 46.4977, 31.7754,
3.6826

363.4885,
310.0949, 144.6293


 32.8450, 21.1900,
1.4529


 84.1867, 62.4588,
13.2709


 22.1664, 13.2630,
0.1825


 108.9537, 83.3256,
21.4665


 14.0965, 7.6099,
0.0000


 138.1562,
108.3884, 32.4878

 8.2700, 3.8463,
0.0000

 172.1595,
138.0314, 46.7535

 4.3214, 1.5880,
0.0000

 211.3291,
172.6392, 64.6819


 1.8855, 0.3495,
0.0000

 256.0302,

 0.5684, 0.0000,


212.5961, 86.6916


0.0000


 306.6282,
258.2865, 113.2012


 0.0000, 0.0000,
0.0000


 46.4977, 31.7754,
3.6826


 46.4977, 31.7754,
3.6826


 46.4978, 31.7762,
3.6827

 48.3568, 35.2044,
5.1952

 50.7275, 39.2791,
8.0409

 53.6942, 44.0534,
12.6036

 57.3122, 49.5671,
19.1191

 61.6288, 55.8559,
27.7857

66.6863, 62.9524,
38.7766

72.5230, 70.8874,
52.2474

79.1744, 79.6895,
68.3401

86.6738, 89.3859,
87.1857

Harmonies

Analogous

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



57.4698, 31.7754, 13.8934



46.4977, 31.7754, 3.6826



32.8824, 31.7754, 1.4965

Triad

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



46.4977, 31.7754, 3.6826



12.2588, 31.7754, 27.6605



40.7371, 31.7754, 141.1739

Complementary

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



46.4977, 31.7754, 3.6826



28.6395, 28.3991, 98.5791

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.



27.6706, 31.7754, 155.1281



46.4977, 31.7754, 3.6826



13.3004, 31.7754, 69.5777

Square

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



46.4977, 31.7754, 3.6826



14.8660, 31.7754, 7.9798



18.2419, 31.7754, 122.9664



53.5615, 31.7754, 92.2644

Rectangle

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



46.4977, 31.7754, 3.6826



24.9439, 31.7754, 1.6905



18.2419, 31.7754, 122.9664



36.1506, 31.7754, 151.0571

Sweetspot

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



46.4984, 31.7772, 3.6831



72.5216, 70.8853, 52.2431



46.6448, 23.4220, 30.3929



14.9751, 14.4340, 9.8998



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.



46.4984, 31.7772, 3.6831



46.4982, 31.7765, 3.6827



70.5913, 79.9631, 11.7141



18.6357, 19.2396, 18.8757



24.4361, 16.8834, 1.9709



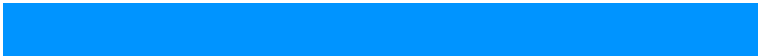
2.4844, 1.8541, 0.2269

Inverse Universe

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



28.6395, 28.3991, 98.5791



28.6391, 28.3982, 98.5797



18.3229, 7.7658, 95.1402



17.8788, 19.1292, 22.9999



15.1155, 15.1406, 51.5603



1.5798, 1.6904, 5.0563

Previews

White Background



This preview shows how the XYZ color 46.4977, 31.7754, 3.6826 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 46.4977, 31.7754, 3.6826 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 46.4977, 31.7754, 3.6826

Background



This preview shows how black text looks on a background with the XYZ color 46.4977, 31.7754, 3.6826.



This preview shows how white text looks on a background with the XYZ color 46.4977, 31.7754,

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

46.4977, 31.7754, 3.6826

Protanopia

28.9646, 32.0656, 5.5824

Deuteranopia

32.2712, 31.8952, 4.4555



Tritanopia

48.6981, 31.8455, 17.7675

Trichromacy



Original Color

46.4977, 31.7754, 3.6826

Protanomaly

33.6678, 30.6252, 4.6270

Deuteranomaly

36.5702, 31.1015, 4.0757

Tritanomaly

47.2645, 31.5903, 9.2366

Monochromacy



Original Color

46.4977, 31.7754, 3.6826

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

28.4069, 25.7071, 12.6973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4977, 31.7754, 3.6826 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, 107, 0)` looks like.

```
.text, #text, p{  
  color:rgb(255, 107, 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, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 0) }
```

Border

The CSS property to change the border of an element to XYZ 46.4977, 31.7754, 3.6826 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, 107, 0) }
```


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

```
.border{ border-color:rgb(255, 107, 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, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4977, 31.7754, 3.6826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 0) }
```

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

```
.background{ background-color: rgb(255,  
107, 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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