

Converting Colors

$Y_{xy}(31.6517, 0.5675, 0.3868)$

Have a look what the booklet for
Yxy(31.6517, 0.5675, 0.3868)
contains.

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Color

Yxy(31.5746, 0.5679, 0.3864)

Conversions

Conversions Part 1

Format	Color
Hex	FF6A03
RGB	255, 106, 3
RGB Percent	100%, 42%, 1%
CMY	0.0001, 0.5842, 0.9883
CMYK	0.00, 0.58, 0.99, 0.00
HSL	25°, 100%, 51%
HSV	25°, 99%, 100%
XYZ	46.4058, 31.5746, 3.7344
YIQ	138.8090, 121.8670, -0.4450

Conversions

Conversions Part 2

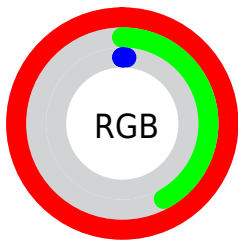
Format	Color
R_{YB}	255, 177, 3
Decimal	16738819
CIE _{Lab}	62.99, 53.24, 71.21
CIE _{LCh}	63, 88.912, 53.215
Yxy	31.5746, 0.5679, 0.3864
Android (android.graphics.Color)	4294928899 (0xFFFF6A03)
YUV	138.8090, -66.9538, 101.8995
Hunter-Lab	56.1913, 49.0803, 35.3936

Details

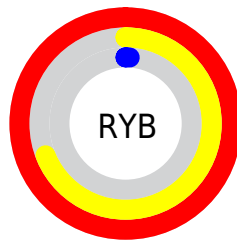
The Yxy color **31.5746, 0.5679, 0.3864** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **29.6783, 0.1858, 0.1881**, and the grayscale version is **25.9718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1919, 0.4821, 0.4129**, and **13.3148, 0.6039, 0.3587** is the 20% darker color. If you saturate the color by 10%, you get **31.2090, 0.5704, 0.3853**, and if you desaturate by 10%, it is **35.0413, 0.5446, 0.3951**.

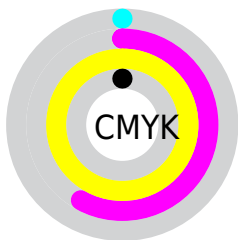
Distribution



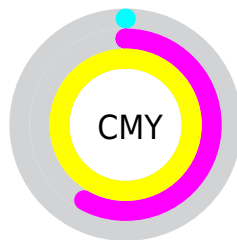
- Red (100%)
- Green (42%)
- Blue (1%)



- Red (100%)
- Yellow (69%)
- Blue (1%)



- Cyan (0%)
- Magenta (58%)
- Yellow (99%)
- Black (0%)




- Cyan (0%)
- Magenta (58%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5746, 0.5679, 0.3864 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 Yxy color 31.5746, 0.5679, 0.3864 by changing the saturation by 10% instead.


 31.5746, 0.5679,
0.3864

 31.5746, 0.5679,
0.3864


309.1768, 0.4442,
0.3782


 21.0368, 0.5927,
0.3805


 62.1436, 0.5267,
0.3894

 13.1509, 0.6234,
0.3708


 82.9436, 0.5099,
0.3887


 7.5325, 0.6511,
0.3489


 107.9330, 0.4952,
0.3874

 3.7973, 0.6846,
0.3154

 137.4964, 0.4823,
0.3857

 1.5608, 0.7338,
0.2662

 172.0181, 0.4710,
0.3839

 0.3310, 0.8499,
0.1501


 211.8825, 0.4610,


 0.0000, 1.0000,

0.3819


0.0000


 257.4739, 0.4521,
0.3800

 0.0000, 0.0000,
0.0000

 31.5746, 0.5679,
0.3864


 31.5746, 0.5679,
0.3864


 31.2090, 0.5704,
0.3853

 35.0413, 0.5446,
0.3951

 39.1792, 0.5161,
0.3986

 44.0397, 0.4846,
0.3969

 49.6635, 0.4524,
0.3909

 56.0871, 0.4215,
0.3820

63.3443, 0.3933,
0.3714

71.4665, 0.3681,
0.3601

80.4833, 0.3462,
0.3489

90.4229, 0.3272,
0.3380

Harmonies

Analogous

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



31.5746, 0.5562, 0.3069



31.5746, 0.5679, 0.3864



31.5746, 0.4985, 0.4788

Triad

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



31.5746, 0.5679, 0.3864



31.5746, 0.1723, 0.4460



31.5746, 0.1893, 0.1485

Complementary

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



31.5746, 0.5679, 0.3864



29.6783, 0.1858, 0.1881

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.



31.5746, 0.1283, 0.1483



31.5746, 0.5679, 0.3864



31.5746, 0.1165, 0.2792

Square

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



31.5746, 0.5679, 0.3864



31.5746, 0.2740, 0.5827



31.5746, 0.1054, 0.1846



31.5746, 0.2995, 0.1782

Rectangle

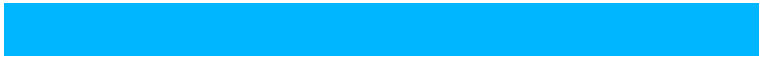
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.5746, 0.5679, 0.3864



31.5746, 0.4288, 0.5426



31.5746, 0.1054, 0.1846



31.5746, 0.1640, 0.1450

Sweetspot

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



31.5764, 0.5679, 0.3864



70.4786, 0.3709, 0.3615



23.6609, 0.4552, 0.2286



14.3386, 0.3813, 0.3662



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.5764, 0.5679, 0.3864



31.2137, 0.5704, 0.3853



77.7364, 0.4380, 0.4900



19.2067, 0.3284, 0.3388



16.5857, 0.5675, 0.3876



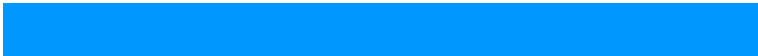
1.8233, 0.5469, 0.4039

Inverse Universe

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



29.6783, 0.1858, 0.1881



29.2685, 0.1851, 0.1863



8.0778, 0.1520, 0.0663



19.1629, 0.2979, 0.3190



15.5946, 0.1858, 0.1889



1.7334, 0.1907, 0.2064

Previews

White Background



This preview shows how the Yxy color 31.5746, 0.5679, 0.3864 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 Yxy color 31.5746, 0.5679, 0.3864 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](#).

Yxy 31.5746, 0.5679, 0.3864

Background



This preview shows how black text looks on a background with the Yxy color 31.5746, 0.5679, 0.3864.



This preview shows how white text looks on a background with the Yxy color 31.5746, 0.5679, 0.3864.

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

31.5746, 0.5679, 0.3864

Protanopia

31.6233, 0.4349, 0.4812

Deuteranopia

31.5883, 0.4716, 0.4638



Tritanopia

31.6289, 0.4972, 0.3240

Trichromacy



Original Color

31.5746, 0.5679, 0.3864

Protanomaly

30.2053, 0.4886, 0.4437

Deuteranomaly

30.8337, 0.5108, 0.4322

Tritanomaly

31.3902, 0.5374, 0.3577

Monochromacy



Original Color

31.5746, 0.5679, 0.3864

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.7407, 0.4229, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5746, 0.5679, 0.3864 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, 106, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 3)  
}
```

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, 106, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 3) }
```

Border

The CSS property to change the border of an element to Yxy 31.5746, 0.5679, 0.3864 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, 106, 3) }
```

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

```
.border{ border-color:rgb(255, 106, 3) }
```

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

Here you see how a box with a 4 pixel rgb(255, 106, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
3) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5746, 0.5679, 0.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 3) }
```

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

```
.background{ background-color: rgb(255,  
106, 3) }
```

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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