

Converting Colors

$Y_{xy}(31.7540, 0.5586, 0.3797)$

Have a look what the booklet for
Yxy(31.7540, 0.5586, 0.3797)
contains.

Yxy(31.6836, 0.5588, 0.3793)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.6836, 0.5588, 0.3793)

Conversions

Conversions Part 1

Format	Color
Hex	FF6A22
RGB	255, 106, 34
RGB Percent	100%, 42%, 13%
CMY	0.0001, 0.5842, 0.8666
CMYK	0.00, 0.58, 0.87, 0.00
HSL	20°, 100%, 57%
HSV	20°, 87%, 100%
XYZ	46.6776, 31.6836, 5.1706
YIQ	142.3430, 111.9160, 9.1960

Conversions

Conversions Part 2

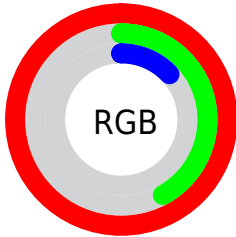
Format	Color
R _Y B	255, 141, 34
Decimal	16738850
CIE Lab	63.08, 53.62, 63.92
CIE LCh	63, 83.430, 50.010
Yxy	31.6836, 0.5588, 0.3793
Android (android.graphics.Color)	4294928930 (0xFFFF6A22)
YUV	142.3430, -53.4131, 98.8002
Hunter-Lab	56.2882, 49.5186, 33.9554

Details

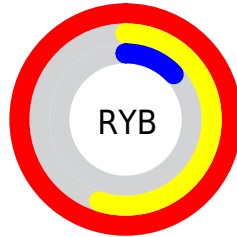
The Yxy color **31.6836, 0.5588, 0.3793** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **41.4174, 0.2005, 0.2330**, and the grayscale version is **27.3809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4379, 0.4706, 0.4007**, and **13.2284, 0.6051, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **28.3926, 0.5854, 0.3707**, and if you desaturate by 10%, it is **35.7970, 0.5258, 0.3830**.

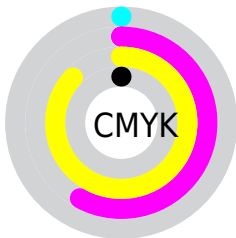
Distribution



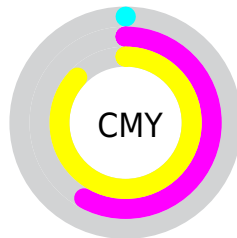
- Red (100%)
- Green (42%)
- Blue (13%)



- Red (100%)
- Yellow (55%)
- Blue (13%)



- Cyan (0%)
- Magenta (58%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (58%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6836, 0.5588, 0.3793 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 31.6836, 0.5588, 0.3793 by changing the saturation by 10% instead.


 31.6836, 0.5588,
0.3793


 31.6836, 0.5588,
0.3793


309.6754, 0.4365,
0.3712


 21.1199, 0.5849,
0.3745


 62.3147, 0.5169,
0.3814


 13.2117, 0.6152,
0.3648

 83.1510, 0.5002,
0.3806

 7.5745, 0.6518,
0.3482


 108.1803, 0.4858,
0.3793

 3.8239, 0.6853,
0.3147

 137.7870, 0.4732,
0.3778

 1.5756, 0.7345,
0.2655

 172.3554, 0.4623,
0.3761

 0.3410, 0.8483,
0.1517

 212.2700, 0.4526,

 0.0000, 1.0000,

0.3745

0.0000

257.9152, 0.4441,
0.3728

■ 0.0000, 0.0000,
0.0000

■ 31.6836, 0.5588,
0.3793

■ 31.6836, 0.5588,
0.3793

■ 28.3926, 0.5854,
0.3707

■ 35.7970, 0.5258,
0.3830

■ 27.4561, 0.5931,
0.3673


■ 40.7872, 0.4897,
0.3819


■ 46.7089, 0.4539,
0.3770

■ 53.6100, 0.4204,
0.3697

■ 61.5348, 0.3905,
0.3611

 70.5249, 0.3646,
0.3520

 80.6191, 0.3424,
0.3430

 91.8545, 0.3236,
0.3344

99.9960, 0.3127,
0.3290

Harmonies

Analogous

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



31.6836, 0.5349, 0.3024



31.6836, 0.5588, 0.3793



31.6836, 0.5020, 0.4662

Triad

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



31.6836, 0.5588, 0.3793



31.6836, 0.1895, 0.4560



31.6836, 0.1872, 0.1547

Complementary

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



31.6836, 0.5588, 0.3793



41.4174, 0.2005, 0.2330

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.



31.6836, 0.1321, 0.1583



31.6836, 0.5588, 0.3793



31.6836, 0.1292, 0.2976

Square

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



31.6836, 0.5588, 0.3793



31.6836, 0.2908, 0.5705



31.6836, 0.1133, 0.1992



31.6836, 0.2875, 0.1806

Rectangle

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



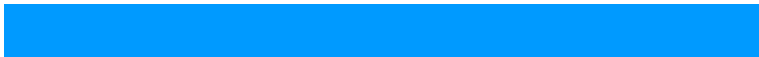
31.6836, 0.5588, 0.3793



31.6836, 0.4385, 0.5256



31.6836, 0.1133, 0.1992



31.6836, 0.1642, 0.1525

Sweetspot

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



31.6854, 0.5588, 0.3793



71.1649, 0.3630, 0.3514



25.9049, 0.4055, 0.2077



14.5339, 0.3715, 0.3546



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.



31.6854, 0.5588, 0.3793



27.4611, 0.5931, 0.3673



69.7036, 0.4472, 0.4745



18.9536, 0.3286, 0.3368



14.5891, 0.5901, 0.3697



1.6097, 0.5681, 0.3871

Inverse Universe

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



41.4174, 0.2005, 0.2330



36.6888, 0.1935, 0.2165



12.5285, 0.1635, 0.0967



19.4250, 0.2980, 0.3211



19.4543, 0.1941, 0.2186



2.0933, 0.1980, 0.2326

Previews

White Background



This preview shows how the Yxy color 31.6836, 0.5588, 0.3793 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 31.6836, 0.5588, 0.3793 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 31.6836, 0.5588, 0.3793

Background



This preview shows how black text looks on a background with the Yxy color 31.6836, 0.5588, 0.3793.



This preview shows how white text looks on a background with the Yxy color 31.6836, 0.5588, 0.3793.

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

31.6836, 0.5588, 0.3793

Protanopia

31.7504, 0.4260, 0.4680

Deuteranopia

31.7201, 0.4725, 0.4630



Tritanopia

31.6289, 0.4972, 0.3240

Trichromacy



Original Color

31.6836, 0.5588, 0.3793

Protanomaly

30.3320, 0.4784, 0.4322

Deuteranomaly

30.8581, 0.5088, 0.4301

Tritanomaly

31.5397, 0.5267, 0.3495

Monochromacy



Original Color

31.6836, 0.5588, 0.3793

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.7471, 0.4086, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6836, 0.5588, 0.3793 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 34)  
}
```

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, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 34) }
```

Border

The CSS property to change the border of an element to Yxy 31.6836, 0.5588, 0.3793 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, 34) }
```

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

```
.border{ border-color:rgb(255, 106, 34) }
```

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, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 34);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6836, 0.5588, 0.3793 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, 34) }
```

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

```
.background{ background-color: rgb(255,  
106, 34) }
```

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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