

Converting Colors

$Y_{xy}(32.7626, 0.5515, 0.3822)$

Have a look what the booklet for
Yxy(32.7626, 0.5515, 0.3822)
contains.

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Color

Yxy(32.7688, 0.5516, 0.3823)

Conversions

Conversions Part 1

Format	Color
Hex	FF6F26
RGB	255, 111, 38
RGB Percent	100%, 44%, 15%
CMY	0.0000, 0.5647, 0.8510
CMYK	0.00, 0.56, 0.85, 0.00
HSL	20°, 100%, 57%
HSV	20°, 85%, 100%
XYZ	47.2803, 32.7688, 5.6658
YIQ	145.7340, 109.2570, 7.8250

Conversions

Conversions Part 2

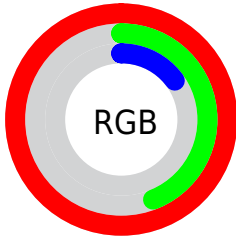
Format	Color
R _Y B	255, 148, 38
Decimal	16740134
CIE Lab	63.97, 51.46, 63.22
CIE LCh	64, 81.515, 50.854
Yxy	32.7688, 0.5516, 0.3823
Android (android.graphics.Color)	4294930214 (0xFFFF6F26)
YUV	145.7340, -53.1129, 95.8263
Hunter-Lab	57.2440, 47.2538, 34.2026

Details

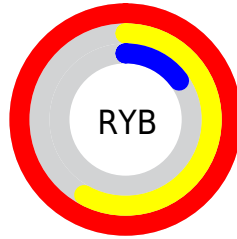
The Yxy color **32.7688, 0.5516, 0.3823** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **41.0881, 0.2006, 0.2317**, and the grayscale version is **28.8143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2878, 0.4635, 0.4024**, and **13.7755, 0.5978, 0.3636** is the 20% darker color. If you saturate the color by 10%, you get **29.3052, 0.5791, 0.3745**, and if you desaturate by 10%, it is **37.0397, 0.5183, 0.3850**.

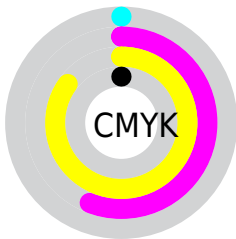
Distribution



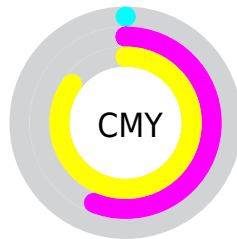
- Red (100%)
- Green (44%)
- Blue (15%)



- Red (100%)
- Yellow (58%)
- Blue (15%)



- Cyan (0%)
- Magenta (56%)
- Yellow (85%)
- Black (0%)





- Cyan (0%)
- Magenta (56%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7688, 0.5516, 0.3823 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 32.7688, 0.5516, 0.3823 by changing the saturation by 10% instead.


 32.7688, 0.5516,
0.3823

 32.7688, 0.5516,
0.3823


314.6066, 0.4331,
0.3717


 21.9494, 0.5771,
0.3785


 64.0144, 0.5109,
0.3832

 13.8197, 0.6064,
0.3701


 85.2094, 0.4947,
0.3821


 7.9954, 0.6438,
0.3562


 110.6317, 0.4808,
0.3805

 4.0920, 0.6755,
0.3245

 140.6657, 0.4686,
0.3788

 1.7252, 0.7221,
0.2779

 175.6958, 0.4580,
0.3770

 0.4399, 0.8181,
0.1819

 216.1064, 0.4487,

 0.0000, 1.0000,

0.3752

0.0000

262.2819, 0.4404,
0.3734

■ 0.0000, 0.0000,
0.0000

■ 32.7688, 0.5516,
0.3823

■ 32.7688, 0.5516,
0.3823

■ 29.3052, 0.5791,
0.3745

■ 37.0397, 0.5183,
0.3850

■ 27.8803, 0.5904,
0.3695

■ 42.1812, 0.4826,
0.3831

■ 48.2409, 0.4475,
0.3775

■ 55.2645, 0.4149,
0.3697

■ 63.2943, 0.3859,
0.3607

72.3698, 0.3607,
0.3513

82.5282, 0.3392,
0.3420

93.8051, 0.3209,
0.3333

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



32.7688, 0.5297, 0.3062



32.7688, 0.5516, 0.3823



32.7688, 0.4961, 0.4672

Triad

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



32.7688, 0.5516, 0.3823



32.7688, 0.1913, 0.4468



32.7688, 0.1927, 0.1591

Complementary

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



32.7688, 0.5516, 0.3823



41.0881, 0.2006, 0.2317

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.



32.7688, 0.1373, 0.1620



32.7688, 0.5516, 0.3823



32.7688, 0.1329, 0.2958

Square

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



32.7688, 0.5516, 0.3823



32.7688, 0.2898, 0.5600



32.7688, 0.1179, 0.2015



32.7688, 0.2920, 0.1854

Rectangle

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



32.7688, 0.5516, 0.3823



32.7688, 0.4342, 0.5237



32.7688, 0.1179, 0.2015



32.7688, 0.1697, 0.1567

Sweetspot

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



32.7665, 0.5516, 0.3823



71.5109, 0.3628, 0.3521



26.0505, 0.4085, 0.2110



14.6147, 0.3712, 0.3554



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.



32.7665, 0.5516, 0.3823



27.8803, 0.5904, 0.3695



71.9752, 0.4427, 0.4765



18.9855, 0.3286, 0.3371



14.8134, 0.5874, 0.3718



1.6344, 0.5655, 0.3892

Inverse Universe

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



41.0881, 0.2006, 0.2317



35.6783, 0.1924, 0.2127



12.5507, 0.1642, 0.0967



19.3916, 0.2980, 0.3208



18.9296, 0.1930, 0.2148



2.0450, 0.1970, 0.2293

Previews

White Background



This preview shows how the Yxy color 32.7688, 0.5516, 0.3823 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 32.7688, 0.5516, 0.3823 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 32.7688, 0.5516, 0.3823

Background



This preview shows how black text looks on a background with the Yxy color 32.7688, 0.5516, 0.3823.



This preview shows how white text looks on a background with the Yxy color 32.7688, 0.5516, 0.3823.

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

32.7688, 0.5516, 0.3823

Protanopia

32.9974, 0.4235, 0.4674

Deuteranopia

32.6469, 0.4686, 0.4593



Tritanopia

32.7379, 0.4878, 0.3238

Trichromacy



Original Color

32.7688, 0.5516, 0.3823

Protanomaly

31.6421, 0.4730, 0.4341

Deuteranomaly

31.8721, 0.5023, 0.4290

Tritanomaly

32.6410, 0.5174, 0.3501

Monochromacy



Original Color

32.7688, 0.5516, 0.3823

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.2757, 0.4049, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7688, 0.5516, 0.3823 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, 111, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 38)  
}
```

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, 111, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 38) }
```

Border

The CSS property to change the border of an element to Yxy 32.7688, 0.5516, 0.3823 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, 111, 38) }
```

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

```
.border{ border-color:rgb(255, 111, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 111, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 38);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7688, 0.5516, 0.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 38) }
```

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

```
.background{ background-color: rgb(255,  
111, 38) }
```

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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