

Converting Colors

$Y_{xy}(35.7369, 0.5313, 0.3878)$

Have a look what the booklet for
Yxy(35.7369, 0.5313, 0.3878)
contains.

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Color

Yxy(35.6649, 0.5316, 0.3876)

Conversions

Conversions Part 1

Format	Color
Hex	FF7B33
RGB	255, 123, 51
RGB Percent	100%, 48%, 20%
CMY	0.0001, 0.5176, 0.8001
CMYK	0.00, 0.52, 0.80, 0.00
HSL	21°, 100%, 60%
HSV	21°, 80%, 100%
XYZ	48.9150, 35.6649, 7.4348
YIQ	154.2600, 101.7840, 5.5920

Conversions

Conversions Part 2

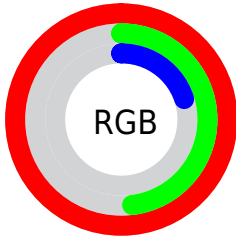
Format	Color
RYB	255, 162, 51
Decimal	16743219
CIELab	66.26, 46.10, 60.09
CIElCh	66, 75.737, 52.501
Yxy	35.6649, 0.5316, 0.3876
Android (android.graphics.Color)	4294933299 (0xFFFF7B33)
YUV	154.2600, -50.9072, 88.3490
Hunter-Lab	59.7201, 41.6941, 34.4228

Details

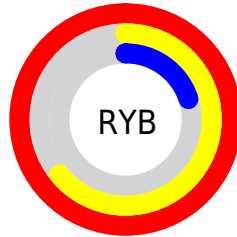
The Yxy color **35.6649, 0.5316, 0.3876** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **41.7614, 0.2032, 0.2335**, and the grayscale version is **32.6315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0801, 0.4454, 0.4041**, and **15.4567, 0.5793, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **31.7463, 0.5618, 0.3825**, and if you desaturate by 10%, it is **40.3999, 0.4975, 0.3875**.

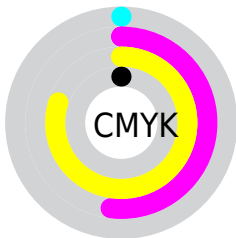
Distribution



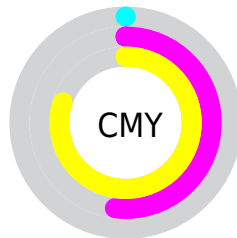
- Red (100%)
- Green (48%)
- Blue (20%)



- Red (100%)
- Yellow (64%)
- Blue (20%)



- Cyan (0%)
- Magenta (52%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (52%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6649, 0.5316, 0.3876 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 35.6649, 0.5316, 0.3876 by changing the saturation by 10% instead.


 35.6649, 0.5316,
0.3876


 35.6649, 0.5316,
0.3876


327.4935, 0.4231,
0.3716

 24.1755, 0.5554,
0.3862


 68.5145, 0.4940,
0.3857


 15.4639, 0.5832,
0.3814


 90.6436, 0.4792,
0.3837


 9.1456, 0.6200,
0.3731


 117.0879, 0.4665,
0.3816

 4.8363, 0.6516,
0.3484

 148.2320, 0.4555,
0.3795

 2.1515, 0.6917,
0.3083

 184.4602, 0.4458,
0.3774

 0.6934, 0.7587,
0.2413

 226.1569, 0.4373,

 0.0000, 1.0000,

0.3753

0.0000

273.7066, 0.4298,
0.3734

■ 0.0000, 0.0000,
0.0000

■ 35.6649, 0.5316,
0.3876

■ 35.6649, 0.5316,
0.3876

■ 31.7463, 0.5618,
0.3825

■ 40.3999, 0.4975,
0.3875

■ 28.5772, 0.5859,
0.3730

■ 45.9952, 0.4626,
0.3832

■ 52.4976, 0.4292,
0.3759

■ 59.9484, 0.3989,
0.3669

■ 68.3862, 0.3722,
0.3572

77.8470, 0.3492,
0.3474

88.3651, 0.3295,
0.3379

99.9731, 0.3127,
0.3290

99.9964, 0.3127,
0.3290

Harmonies

Analogous

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



35.6649, 0.5131, 0.3145



35.6649, 0.5316, 0.3876



35.6649, 0.4811, 0.4661

Triad

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



35.6649, 0.5316, 0.3876



35.6649, 0.1987, 0.4270



35.6649, 0.2064, 0.1716

Complementary

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



35.6649, 0.5316, 0.3876



41.7614, 0.2032, 0.2335

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.



35.6649, 0.1514, 0.1734



35.6649, 0.5316, 0.3876



35.6649, 0.1448, 0.2947

Square

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



35.6649, 0.5316, 0.3876



35.6649, 0.2898, 0.5321



35.6649, 0.1313, 0.2098



35.6649, 0.3008, 0.1979

Rectangle

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



35.6649, 0.5316, 0.3876



35.6649, 0.4242, 0.5144



35.6649, 0.1313, 0.2098



35.6649, 0.1838, 0.1689

Sweetspot

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



35.6669, 0.5316, 0.3876



73.9579, 0.3579, 0.3513



27.0650, 0.4058, 0.2152



15.1146, 0.3662, 0.3548



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.



35.6669, 0.5316, 0.3876



29.7681, 0.5768, 0.3771



75.0110, 0.4352, 0.4760



19.0365, 0.3285, 0.3375



15.1880, 0.5829, 0.3753



1.6753, 0.5612, 0.3926

Inverse Universe

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



41.7614, 0.2032, 0.2335



35.4928, 0.1927, 0.2119



13.8928, 0.1692, 0.1049



19.3385, 0.2980, 0.3204



18.1146, 0.1913, 0.2088



1.9696, 0.1956, 0.2240

Previews

White Background



This preview shows how the Yxy color 35.6649, 0.5316, 0.3876 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 35.6649, 0.5316, 0.3876 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 35.6649, 0.5316, 0.3876

Background



This preview shows how black text looks on a background with the Yxy color 35.6649, 0.5316, 0.3876.



This preview shows how white text looks on a background with the Yxy color 35.6649, 0.5316, 0.3876.

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

35.6649, 0.5316, 0.3876

Protanopia

35.8809, 0.4173, 0.4595

Deuteranopia

35.6322, 0.4608, 0.4510



Tritanopia

35.6975, 0.4645, 0.3225

Trichromacy



Original Color

35.6649, 0.5316, 0.3876

Protanomaly

34.7406, 0.4608, 0.4320

Deuteranomaly

35.0574, 0.4889, 0.4258

Tritanomaly

35.5748, 0.4941, 0.3504

Monochromacy



Original Color

35.6649, 0.5316, 0.3876

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.0056, 0.3935, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6649, 0.5316, 0.3876 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, 123, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 51)  
}
```

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, 123, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 51) }
```

Border

The CSS property to change the border of an element to Yxy 35.6649, 0.5316, 0.3876 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, 123, 51) }
```

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

```
.border{ border-color:rgb(255, 123, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6649, 0.5316, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 51) }
```

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

```
.background{ background-color: rgb(255,  
123, 51) }
```

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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