

Converting Colors

$Y_{xy}(35.8009, 0.5324, 0.3895)$

Have a look what the booklet for
Yxy(35.8009, 0.5324, 0.3895)
contains.

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Color

Yxy(35.8887, 0.5323, 0.3900)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF7C30 |
| RGB | 255, 124, 48 |
| RGB Percent | 100%, 49%, 19% |
| CMY | 0.0000, 0.5137, 0.8115 |
| CMYK | 0.00, 0.51, 0.81, 0.00 |
| HSL | 22°, 100%, 59% |
| HSV | 22°, 81%, 100% |
| XYZ | 48.9835, 35.8887, 7.1501 |
| YIQ | 154.5050, 102.4720, 4.1360 |

Conversions

Conversions Part 2

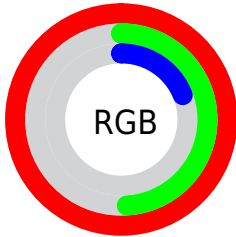
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 168, 48 |
| Decimal | 16743472 |
| CIE Lab | 66.43, 45.55, 61.44 |
| CIE LCh | 66, 76.484, 53.447 |
| Yxy | 35.8887, 0.5323, 0.3900 |
| Android (android.graphics.Color) | 4294933552 (0xFFFF7C30) |
| YUV | 154.5050, -52.5070, 88.1341 |
| Hunter-Lab | 59.9072, 41.1141, 34.8586 |

Details

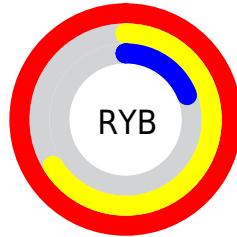
The Yxy color **35.8887, 0.5323, 0.3900** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **40.1212, 0.2012, 0.2279**, and the grayscale version is **32.7548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4203, 0.4469, 0.4077**, and **15.5828, 0.5779, 0.3793** is the 20% darker color. If you saturate the color by 10%, you get **32.0157, 0.5614, 0.3845**, and if you desaturate by 10%, it is **40.5478, 0.4991, 0.3902**.

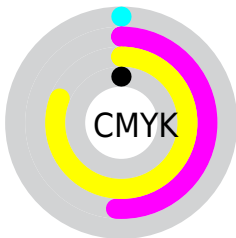
Distribution



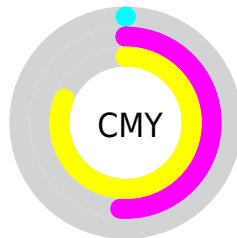
- Red (100%)
- Green (49%)
- Blue (19%)



- Red (100%)
- Yellow (66%)
- Blue (19%)



- Cyan (0%)
- Magenta (51%)
- Yellow (81%)
- Black (0%)




- Cyan (0%)
- Magenta (51%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8887, 0.5323, 0.3900 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 35.8887, 0.5323, 0.3900 by changing the saturation by 10% instead.


 35.8887, 0.5323,
0.3900


 35.8887, 0.5323,
0.3900


328.4738, 0.4240,
0.3732


 24.3482, 0.5558,
0.3887


 68.8602, 0.4950,
0.3879


 15.5922, 0.5831,
0.3838


 91.0601, 0.4802,
0.3859


 9.2360, 0.6200,
0.3761


 117.5819, 0.4675,
0.3837

 4.8954, 0.6494,
0.3506

 148.8101, 0.4564,
0.3814

 2.1860, 0.6890,
0.3110

 185.1289, 0.4467,
0.3792

 0.7124, 0.7545,
0.2455

 226.9229, 0.4382,

 0.0000, 1.0000,

0.3771

0.0000

274.5764, 0.4307,
0.3751

■ 0.0000, 0.0000,
0.0000

■ 35.8887, 0.5323,
0.3900

■ 35.8887, 0.5323,
0.3900

■ 32.0157, 0.5614,
0.3845

■ 40.5478, 0.4991,
0.3902

■ 29.1882, 0.5822,
0.3759

■ 46.0368, 0.4648,
0.3860

■ 52.4003, 0.4318,
0.3787

■ 59.6780, 0.4015,
0.3695

■ 67.9070, 0.3747,
0.3594

77.1219, 0.3514,
0.3492

87.3556, 0.3315,
0.3393

98.6393, 0.3145,
0.3300

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.



35.8887, 0.5164, 0.3164



35.8887, 0.5323, 0.3900



35.8887, 0.4795, 0.4690

Triad

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



35.8887, 0.5323, 0.3900



35.8887, 0.1955, 0.4234



35.8887, 0.2081, 0.1711

Complementary

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



35.8887, 0.5323, 0.3900



40.1212, 0.2012, 0.2279

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.



35.8887, 0.1516, 0.1719



35.8887, 0.5323, 0.3900



35.8887, 0.1428, 0.2907

Square

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



35.8887, 0.5323, 0.3900



35.8887, 0.2861, 0.5321



35.8887, 0.1304, 0.2071



35.8887, 0.3043, 0.1984

Rectangle

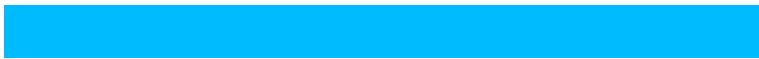
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.8887, 0.5323, 0.3900



35.8887, 0.4216, 0.5174



35.8887, 0.1304, 0.2071



35.8887, 0.1850, 0.1681

Sweetspot

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



35.8901, 0.5323, 0.3900



74.3889, 0.3577, 0.3521



26.6403, 0.4125, 0.2178



15.2168, 0.3660, 0.3558



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.



35.8901, 0.5323, 0.3900



30.0887, 0.5754, 0.3790



76.6371, 0.4337, 0.4792



19.0784, 0.3285, 0.3378



15.5109, 0.5792, 0.3783



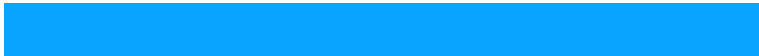
1.7101, 0.5577, 0.3954

Inverse Universe

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



40.1212, 0.2012, 0.2279



33.9070, 0.1908, 0.2057



12.9737, 0.1670, 0.0992



19.2950, 0.2979, 0.3201



17.4659, 0.1900, 0.2038



1.9092, 0.1944, 0.2197

Previews

White Background



This preview shows how the Yxy color 35.8887, 0.5323, 0.3900 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 35.8887, 0.5323, 0.3900 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 35.8887, 0.5323, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 35.8887, 0.5323, 0.3900.



This preview shows how white text looks on a background with the Yxy color 35.8887, 0.5323, 0.3900.

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

35.8887, 0.5323, 0.3900

Protanopia

35.9699, 0.4201, 0.4616

Deuteranopia

36.0821, 0.4619, 0.4530



Tritanopia

35.9600, 0.4627, 0.3224

Trichromacy



Original Color

35.8887, 0.5323, 0.3900

Protanomaly

34.8560, 0.4637, 0.4337

Deuteranomaly

35.4930, 0.4901, 0.4279

Tritanomaly

35.8166, 0.4934, 0.3514

Monochromacy



Original Color

35.8887, 0.5323, 0.3900

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.2838, 0.3941, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8887, 0.5323, 0.3900 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, 124, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 48)  
}
```

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, 124, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 48) }
```

Border

The CSS property to change the border of an element to Yxy 35.8887, 0.5323, 0.3900 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, 124, 48) }
```

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

```
.border{ border-color:rgb(255, 124, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 124, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8887, 0.5323, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 124, 48) }
```

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

```
.background{ background-color: rgb(255,  
124, 48) }
```

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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