

Converting Colors

$Y_{xy}(35.5611, 0.5306, 0.3858)$

Have a look what the booklet for
Yxy(35.5611, 0.5306, 0.3858)
contains.

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Color

Yxy(35.6830, 0.5304, 0.3865)

Conversions

Conversions Part 1

Format	Color
Hex	FF7B35
RGB	255, 123, 53
RGB Percent	100%, 48%, 21%
CMY	0.0000, 0.5176, 0.7922
CMYK	0.00, 0.52, 0.79, 0.00
HSL	21°, 100%, 60%
HSV	21°, 79%, 100%
XYZ	48.9683, 35.6830, 7.6721
YIQ	154.4880, 101.1420, 6.2140

Conversions

Conversions Part 2

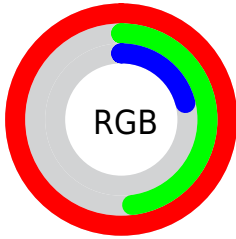
Format	Color
R _Y B	255, 160, 53
Decimal	16743221
CIE Lab	66.28, 46.19, 59.25
CIE LCh	66, 75.127, 52.061
Yxy	35.6830, 0.5304, 0.3865
Android (android.graphics.Color)	4294933301 (0xFFFF7B35)
YUV	154.4880, -50.0336, 88.1490
Hunter-Lab	59.7352, 41.7898, 34.1998

Details

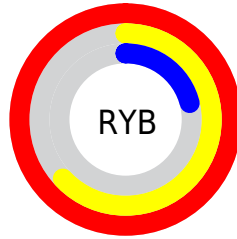
The Yxy color **35.6830, 0.5304, 0.3865** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **42.6657, 0.2043, 0.2365**, and the grayscale version is **32.7304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.1207, 0.4440, 0.4024**, and **15.4567, 0.5793, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **31.7194, 0.5613, 0.3818**, and if you desaturate by 10%, it is **40.4746, 0.4958, 0.3862**.

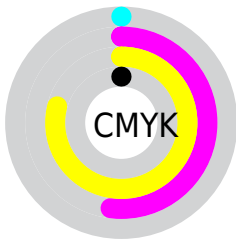
Distribution



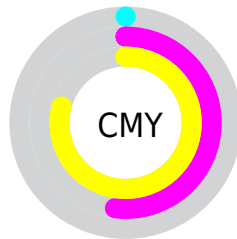
- Red (100%)
- Green (48%)
- Blue (21%)



- Red (100%)
- Yellow (63%)
- Blue (21%)



- Cyan (0%)
- Magenta (52%)
- Yellow (79%)
- Black (0%)





- Cyan (0%)
- Magenta (52%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6830, 0.5304, 0.3865 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 35.6830, 0.5304, 0.3865 by changing the saturation by 10% instead.


 35.6830, 0.5304,
0.3865

 35.6830, 0.5304,
0.3865


327.5729, 0.4223,
0.3707

 24.1895, 0.5543,
0.3852


 68.5425, 0.4929,
0.3846

 15.4742, 0.5822,
0.3805


 90.6773, 0.4781,
0.3827


 9.1529, 0.6186,
0.3720


 117.1279, 0.4654,
0.3806

 4.8410, 0.6518,
0.3482

 148.2788, 0.4544,
0.3785

 2.1543, 0.6919,
0.3081

 184.5143, 0.4448,
0.3764

 0.6949, 0.7589,
0.2411

 226.2189, 0.4364,

 0.0000, 1.0000,

0.3744

0.0000

273.7770, 0.4289,
0.3725

0.0000, 0.0000,
0.0000

35.6830, 0.5304,
0.3865

35.6830, 0.5304,
0.3865

31.7194, 0.5613,
0.3818

40.4746, 0.4958,
0.3862

28.5223, 0.5859,
0.3724


46.1449, 0.4606,
0.3817


28.3026, 0.5877,
0.3716

52.7394, 0.4272,
0.3744

60.3001, 0.3970,
0.3655

68.8663, 0.3704,
0.3559

 78.4748, 0.3476,
0.3463

 89.1605, 0.3281,
0.3370

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.



35.6830, 0.5106, 0.3138



35.6830, 0.5304, 0.3865



35.6830, 0.4813, 0.4644

Triad

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



35.6830, 0.5304, 0.3865



35.6830, 0.2008, 0.4281



35.6830, 0.2061, 0.1723

Complementary

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



35.6830, 0.5304, 0.3865



42.6657, 0.2043, 0.2365

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.



35.6830, 0.1518, 0.1746



35.6830, 0.5304, 0.3865



35.6830, 0.1464, 0.2968

Square

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



35.6830, 0.5304, 0.3865



35.6830, 0.2917, 0.5310



35.6830, 0.1323, 0.2115



35.6830, 0.2993, 0.1981

Rectangle

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



35.6830, 0.5304, 0.3865



35.6830, 0.4251, 0.5124



35.6830, 0.1323, 0.2115



35.6830, 0.1838, 0.1698

Sweetspot

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



35.6829, 0.5304, 0.3865



73.7531, 0.3580, 0.3509



27.4206, 0.3998, 0.2127



15.0661, 0.3664, 0.3543



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.



35.6829, 0.5304, 0.3865



29.7851, 0.5762, 0.3767



73.4042, 0.4371, 0.4730



19.0165, 0.3286, 0.3373



15.0389, 0.5847, 0.3740



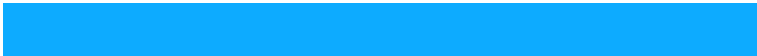
1.6591, 0.5629, 0.3913

Inverse Universe

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



42.6657, 0.2043, 0.2365



36.4430, 0.1938, 0.2155



14.7362, 0.1710, 0.1101



19.3593, 0.2980, 0.3206



18.4303, 0.1920, 0.2111



1.9988, 0.1961, 0.2261

Previews

White Background



This preview shows how the Yxy color 35.6830, 0.5304, 0.3865 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 35.6830, 0.5304, 0.3865 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 35.6830, 0.5304, 0.3865

Background



This preview shows how black text looks on a background with the Yxy color 35.6830, 0.5304, 0.3865.



This preview shows how white text looks on a background with the Yxy color 35.6830, 0.5304, 0.3865.

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

35.6830, 0.5304, 0.3865

Protanopia

35.9141, 0.4154, 0.4567

Deuteranopia

35.6534, 0.4594, 0.4493



Tritanopia

35.6975, 0.4645, 0.3225

Trichromacy



Original Color

35.6830, 0.5304, 0.3865

Protanomaly

34.7715, 0.4588, 0.4296

Deuteranomaly

35.0808, 0.4873, 0.4241

Tritanomaly

35.5938, 0.4931, 0.3495

Monochromacy



Original Color

35.6830, 0.5304, 0.3865

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 35.6830, 0.5304, 0.3865 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 53) }
```

Border

The CSS property to change the border of an element to Yxy 35.6830, 0.5304, 0.3865 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, 53) }
```

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

```
.border{ border-color:rgb(255, 123, 53) }
```

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, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6830, 0.5304, 0.3865 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, 53) }
```

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

```
.background{ background-color: rgb(255,  
123, 53) }
```

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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