

Converting Colors

$Y_{xy}(35.4878, 0.5346, 0.3891)$

Have a look what the booklet for
Yxy(35.4878, 0.5346, 0.3891)
contains.

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Color

Yxy(35.3843, 0.5350, 0.3886)

Conversions

Conversions Part 1

Format	Color
Hex	FF7A2F
RGB	255, 122, 47
RGB Percent	100%, 48%, 18%
CMY	0.0000, 0.5216, 0.8155
CMYK	0.00, 0.52, 0.82, 0.00
HSL	22°, 100%, 59%
HSV	22°, 82%, 100%
XYZ	48.7149, 35.3843, 6.9567
YIQ	153.2170, 103.3430, 4.8710

Conversions

Conversions Part 2

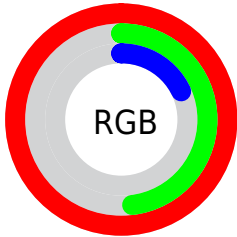
Format	Color
R _Y B	255, 164, 47
Decimal	16742959
CIE Lab	66.05, 46.49, 61.51
CIE LCh	66, 77.098, 52.916
Yxy	35.3843, 0.5350, 0.3886
Android (android.graphics.Color)	4294933039 (0xFFFF7A2F)
YUV	153.2170, -52.3650, 89.2637
Hunter-Lab	59.4847, 42.0840, 34.7054

Details

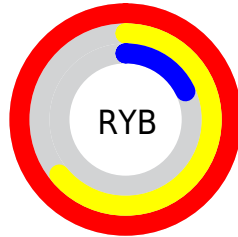
The Yxy color **35.3843, 0.5350, 0.3886** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **40.4872, 0.2013, 0.2293**, and the grayscale version is **32.1563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6051, 0.4491, 0.4066**, and **15.3326, 0.5807, 0.3771** is the 20% darker color. If you saturate the color by 10%, you get **31.5613, 0.5641, 0.3828**, and if you desaturate by 10%, it is **40.0016, 0.5016, 0.3892**.

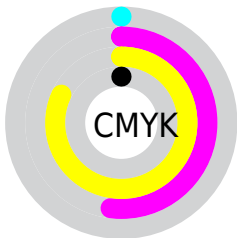
Distribution



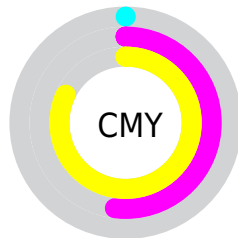
- Red (100%)
- Green (48%)
- Blue (18%)



- Red (100%)
- Yellow (64%)
- Blue (18%)



- Cyan (0%)
- Magenta (52%)
- Yellow (82%)
- Black (0%)





- Cyan (0%)
- Magenta (52%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3843, 0.5350, 0.3886 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 35.3843, 0.5350, 0.3886 by changing the saturation by 10% instead.


 35.3843, 0.5350,
0.3886


 35.3843, 0.5350,
0.3886


326.2614, 0.4252,
0.3727

 23.9591, 0.5589,
0.3869


 68.0807, 0.4971,
0.3869

 15.3033, 0.5865,
0.3815


 90.1206, 0.4822,
0.3851


 9.0325, 0.6246,
0.3735


 116.4676, 0.4693,
0.3829

 4.7624, 0.6534,
0.3466

 147.5059, 0.4580,
0.3808

 2.1085, 0.6941,
0.3059

 183.6201, 0.4482,
0.3786

 0.6694, 0.7630,
0.2370

 225.1945, 0.4396,

 0.0000, 1.0000,

0.3766

0.0000

272.6134, 0.4320,
0.3746

■ 0.0000, 0.0000,
0.0000

■ 35.3843, 0.5350,
0.3886

■ 35.3843, 0.5350,
0.3886

■ 31.5613, 0.5641,
0.3828

■ 40.0016, 0.5016,
0.3892

■ 28.8989, 0.5840,
0.3745

■ 45.4594, 0.4670,
0.3852


■ 51.8030, 0.4336,
0.3782

■ 59.0734, 0.4030,
0.3692

■ 67.3083, 0.3759,
0.3593

 76.5434, 0.3524,
0.3493

 86.8123, 0.3323,
0.3396

 98.1470, 0.3151,
0.3304

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.



35.3843, 0.5178, 0.3147



35.3843, 0.5350, 0.3886



35.3843, 0.4822, 0.4685

Triad

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



35.3843, 0.5350, 0.3886



35.3843, 0.1954, 0.4271



35.3843, 0.2056, 0.1694

Complementary

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



35.3843, 0.5350, 0.3886



40.4872, 0.2013, 0.2293

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.



35.3843, 0.1495, 0.1707



35.3843, 0.5350, 0.3886



35.3843, 0.1417, 0.2920

Square

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



35.3843, 0.5350, 0.3886



35.3843, 0.2873, 0.5361



35.3843, 0.1287, 0.2067



35.3843, 0.3020, 0.1964

Rectangle

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



35.3843, 0.5350, 0.3886



35.3843, 0.4239, 0.5180



35.3843, 0.1287, 0.2067



35.3843, 0.1826, 0.1665

Sweetspot

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



35.3854, 0.5350, 0.3886



74.1854, 0.3578, 0.3517



26.6834, 0.4082, 0.2147



15.1686, 0.3661, 0.3553



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.



35.3854, 0.5350, 0.3886



29.4868, 0.5794, 0.3765



74.6735, 0.4367, 0.4770



19.0586, 0.3285, 0.3376



15.3569, 0.5810, 0.3769



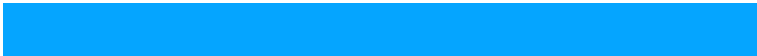
1.6935, 0.5594, 0.3940

Inverse Universe

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



40.4872, 0.2013, 0.2293



34.1369, 0.1910, 0.2066



13.3089, 0.1673, 0.1014



19.3155, 0.2980, 0.3202



17.7696, 0.1906, 0.2061



1.9375, 0.1949, 0.2217

Previews

White Background



This preview shows how the Yxy color 35.3843, 0.5350, 0.3886 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 35.3843, 0.5350, 0.3886 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 35.3843, 0.5350, 0.3886

Background



This preview shows how black text looks on a background with the Yxy color 35.3843, 0.5350, 0.3886.



This preview shows how white text looks on a background with the Yxy color 35.3843, 0.5350, 0.3886.

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

35.3843, 0.5350, 0.3886

Protanopia

35.4884, 0.4206, 0.4620

Deuteranopia

35.6003, 0.4629, 0.4537



Tritanopia

35.4378, 0.4663, 0.3225

Trichromacy



Original Color

35.3843, 0.5350, 0.3886

Protanomaly

34.3899, 0.4644, 0.4339

Deuteranomaly

35.0221, 0.4913, 0.4284

Tritanomaly

35.2982, 0.4970, 0.3512

Monochromacy



Original Color

35.3843, 0.5350, 0.3886

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.5081, 0.3963, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3843, 0.5350, 0.3886 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, 122, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 47)  
}
```

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, 122, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 47) }
```

Border

The CSS property to change the border of an element to Yxy 35.3843, 0.5350, 0.3886 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, 122, 47) }
```

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

```
.border{ border-color:rgb(255, 122, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3843, 0.5350, 0.3886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 47) }
```

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

```
.background{ background-color: rgb(255,  
122, 47) }
```

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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