

Converting Colors

$Y_{xy}(35.4946, 0.5338, 0.3883)$

Have a look what the booklet for
Yxy(35.4946, 0.5338, 0.3883)
contains.

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Color

Yxy(35.3925, 0.5344, 0.3881)

Conversions

Conversions Part 1

Format	Color
Hex	FF7A30
RGB	255, 122, 48
RGB Percent	100%, 48%, 19%
CMY	0.0000, 0.5215, 0.8115
CMYK	0.00, 0.52, 0.81, 0.00
HSL	21°, 100%, 59%
HSV	21°, 81%, 100%
XYZ	48.7342, 35.3925, 7.0676
YIQ	153.3310, 103.0220, 5.1820

Conversions

Conversions Part 2

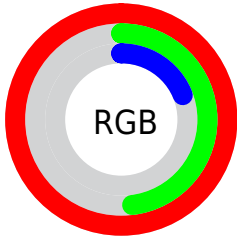
Format	Color
R _Y B	255, 163, 48
Decimal	16742960
CIE Lab	66.05, 46.51, 61.09
CIE LCh	66, 76.786, 52.715
Yxy	35.3925, 0.5344, 0.3881
Android (android.graphics.Color)	4294933040 (0xFFFF7A30)
YUV	153.3310, -51.9282, 89.1637
Hunter-Lab	59.4916, 42.1130, 34.6005

Details

The Yxy color **35.3925, 0.5344, 0.3881** 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 **40.9274, 0.2019, 0.2308**, and the grayscale version is **32.2093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6244, 0.4484, 0.4057**, and **15.3326, 0.5807, 0.3771** is the 20% darker color. If you saturate the color by 10%, you get **31.5492, 0.5638, 0.3825**, and if you desaturate by 10%, it is **40.0393, 0.5007, 0.3885**.

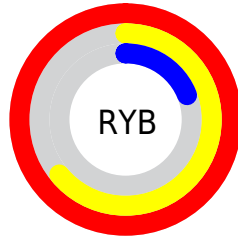
Distribution



Red (100%)

Green (48%)

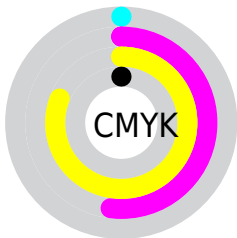
Blue (19%)



Red (100%)

Yellow (64%)

Blue (19%)

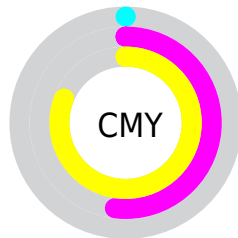


Cyan (0%)

Magenta (52%)

Yellow (81%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3925, 0.5344, 0.3881 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 35.3925, 0.5344, 0.3881 by changing the saturation by 10% instead.


 35.3925, 0.5344,
0.3881


 35.3925, 0.5344,
0.3881


326.2974, 0.4247,
0.3723


 23.9654, 0.5583,
0.3865


 68.0934, 0.4965,
0.3864

 15.3079, 0.5861,
0.3812

 90.1359, 0.4816,
0.3845

 9.0358, 0.6239,
0.3730


 116.4857, 0.4687,
0.3825

 4.7645, 0.6535,
0.3465

 147.5272, 0.4575,
0.3803

 2.1098, 0.6942,
0.3058

 183.6447, 0.4477,
0.3782

 0.6701, 0.7630,
0.2370

 225.2226, 0.4391,

 0.0000, 1.0000,

0.3761

0.0000

272.6454, 0.4315,
0.3742

■ 0.0000, 0.0000,
0.0000

■ 35.3925, 0.5344,
0.3881

■ 35.3925, 0.5344,
0.3881

■ 31.5492, 0.5638,
0.3825

■ 40.0393, 0.5007,
0.3885

■ 28.7597, 0.5848,
0.3738

■ 45.5334, 0.4660,
0.3845

■ 51.9216, 0.4326,
0.3774

■ 59.2449, 0.4020,
0.3684

■ 67.5414, 0.3750,
0.3586

76.8473, 0.3516,
0.3487

87.1963, 0.3315,
0.3391

98.6207, 0.3145,
0.3300

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



35.3925, 0.5166, 0.3143



35.3925, 0.5344, 0.3881



35.3925, 0.4822, 0.4677

Triad

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



35.3925, 0.5344, 0.3881



35.3925, 0.1964, 0.4277



35.3925, 0.2055, 0.1698

Complementary

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



35.3925, 0.5344, 0.3881



40.9274, 0.2019, 0.2308

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.



35.3925, 0.1497, 0.1713



35.3925, 0.5344, 0.3881



35.3925, 0.1424, 0.2930

Square

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



35.3925, 0.5344, 0.3881



35.3925, 0.2882, 0.5355



35.3925, 0.1292, 0.2075



35.3925, 0.3013, 0.1966

Rectangle

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



35.3925, 0.5344, 0.3881



35.3925, 0.4243, 0.5170



35.3925, 0.1292, 0.2075



35.3925, 0.1826, 0.1670

Sweetspot

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



35.3945, 0.5344, 0.3881



74.0864, 0.3579, 0.3515



26.7815, 0.4076, 0.2149



15.1451, 0.3662, 0.3551



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.



35.3945, 0.5344, 0.3881



29.6464, 0.5780, 0.3769



74.7641, 0.4363, 0.4768



19.0490, 0.3285, 0.3375



15.2829, 0.5818, 0.3762



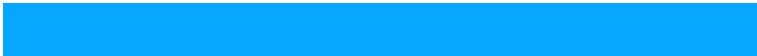
1.6856, 0.5602, 0.3934

Inverse Universe

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



40.9274, 0.2019, 0.2308



34.7709, 0.1918, 0.2091



13.4592, 0.1678, 0.1023



19.3255, 0.2980, 0.3203



17.9191, 0.1909, 0.2073



1.9514, 0.1952, 0.2227

Previews

White Background



This preview shows how the Yxy color 35.3925, 0.5344, 0.3881 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 35.3925, 0.5344, 0.3881 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 35.3925, 0.5344, 0.3881

Background



This preview shows how black text looks on a background with the Yxy color 35.3925, 0.5344, 0.3881.



This preview shows how white text looks on a background with the Yxy color 35.3925, 0.5344, 0.3881.

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

35.3925, 0.5344, 0.3881

Protanopia

35.4985, 0.4200, 0.4611

Deuteranopia

35.6064, 0.4625, 0.4532



Tritanopia

35.4378, 0.4663, 0.3225

Trichromacy



Original Color

35.3925, 0.5344, 0.3881

Protanomaly

34.3992, 0.4638, 0.4331

Deuteranomaly

35.0288, 0.4908, 0.4279

Tritanomaly

35.2982, 0.4970, 0.3512

Monochromacy



Original Color

35.3925, 0.5344, 0.3881

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.5310, 0.3952, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3925, 0.5344, 0.3881 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 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, 122, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 48) }
```

Border

The CSS property to change the border of an element to Yxy 35.3925, 0.5344, 0.3881 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, 48) }
```

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

```
.border{ border-color:rgb(255, 122, 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, 122, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3925, 0.5344, 0.3881 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, 48) }
```

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

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