

Converting Colors

$Y_{xy}(35.5002, 0.5366, 0.3911)$

Have a look what the booklet for
Yxy(35.5002, 0.5366, 0.3911)
contains.

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Color

Yxy(35.6003, 0.5361, 0.3914)

Conversions

Conversions Part 1

Format	Color
Hex	FF7B2B
RGB	255, 123, 43
RGB Percent	100%, 48%, 17%
CMY	0.0000, 0.5176, 0.8311
CMYK	0.00, 0.52, 0.83, 0.00
HSL	23°, 100%, 58%
HSV	23°, 83%, 100%
XYZ	48.7617, 35.6003, 6.5943
YIQ	153.3480, 104.3520, 3.1040

Conversions

Conversions Part 2

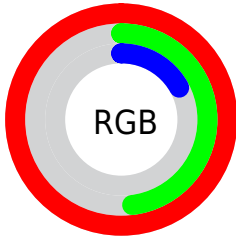
Format	Color
R_{YB}	255, 171, 43
Decimal	16743211
CIE _{Lab}	66.21, 45.90, 63.21
CIE _{LCh}	66, 78.113, 54.013
Yxy	35.6003, 0.5361, 0.3914
Android (android.graphics.Color)	4294933291 (0xFFFF7B2B)
YUV	153.3480, -54.4016, 89.1488
Hunter-Lab	59.6660, 41.4626, 35.2134

Details

The Yxy color **35.6003, 0.5361, 0.3914** 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 **38.4252, 0.1988, 0.2221**, and the grayscale version is **32.2265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9453, 0.4505, 0.4100**, and **15.4567, 0.5793, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **31.8425, 0.5637, 0.3850**, and if you desaturate by 10%, it is **40.1163, 0.5040, 0.3924**.

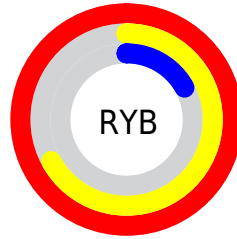
Distribution



Red (100%)

Green (48%)

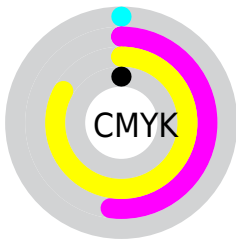
Blue (17%)



Red (100%)

Yellow (67%)

Blue (17%)

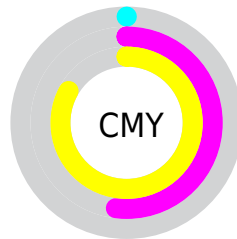


Cyan (0%)

Magenta (52%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6003, 0.5361, 0.3914 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 35.6003, 0.5361, 0.3914 by changing the saturation by 10% instead.


 35.6003, 0.5361,
0.3914


 35.6003, 0.5361,
0.3914


327.2101, 0.4264,
0.3747


 24.1257, 0.5596,
0.3897


 68.4147, 0.4985,
0.3896

 15.4269, 0.5867,
0.3843


 90.5232, 0.4836,
0.3876


 9.1195, 0.6239,
0.3761


 116.9452, 0.4706,
0.3854

 4.8192, 0.6511,
0.3489

 148.0650, 0.4594,
0.3831

 2.1416, 0.6913,
0.3087

 184.2670, 0.4496,
0.3809

 0.6879, 0.7585,
0.2415

 225.9356, 0.4409,

 0.0000, 1.0000,

0.3787

0.0000

273.4552, 0.4332,
0.3766

■ 0.0000, 0.0000,
0.0000

■ 35.6003, 0.5361,
0.3914

■ 35.6003, 0.5361,
0.3914

■ 31.8425, 0.5637,
0.3850

■ 40.1163, 0.5040,
0.3924

■ 29.6567, 0.5794,
0.3782

■ 45.4350, 0.4702,
0.3888

■ 51.5999, 0.4372,
0.3817

■ 58.6500, 0.4067,
0.3725

■ 66.6212, 0.3794,
0.3623

75.5477, 0.3556,
0.3518

85.4613, 0.3351,
0.3416

96.3926, 0.3176,
0.3319

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.



35.6003, 0.5221, 0.3168



35.6003, 0.5361, 0.3914



35.6003, 0.4804, 0.4721

Triad

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



35.6003, 0.5361, 0.3914



35.6003, 0.1914, 0.4230



35.6003, 0.2074, 0.1686

Complementary

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



35.6003, 0.5361, 0.3914



38.4252, 0.1988, 0.2221

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.



35.6003, 0.1496, 0.1687



35.6003, 0.5361, 0.3914



35.6003, 0.1390, 0.2872

Square

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



35.6003, 0.5361, 0.3914



35.6003, 0.2829, 0.5365



35.6003, 0.1275, 0.2033



35.6003, 0.3061, 0.1968

Rectangle

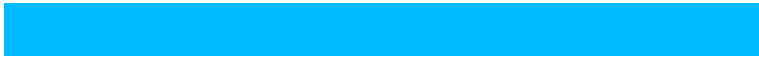
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.6003, 0.5361, 0.3914



35.6003, 0.4208, 0.5219



35.6003, 0.1275, 0.2033



35.6003, 0.1837, 0.1654

Sweetspot

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



35.6013, 0.5361, 0.3914



73.7825, 0.3598, 0.3538



26.1796, 0.4158, 0.2174



15.1114, 0.3680, 0.3575



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.



35.6013, 0.5361, 0.3914



29.6567, 0.5794, 0.3782



76.2331, 0.4353, 0.4804



19.1096, 0.3285, 0.3380



15.7600, 0.5764, 0.3805



1.7366, 0.5551, 0.3974

Inverse Universe

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



38.4252, 0.1988, 0.2221



31.9580, 0.1883, 0.1978



12.2845, 0.1647, 0.0949



19.2628, 0.2979, 0.3198



16.9955, 0.1889, 0.2002



1.8653, 0.1935, 0.2164

Previews

White Background



This preview shows how the Yxy color 35.6003, 0.5361, 0.3914 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 35.6003, 0.5361, 0.3914 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 35.6003, 0.5361, 0.3914

Background



This preview shows how black text looks on a background with the Yxy color 35.6003, 0.5361, 0.3914.



This preview shows how white text looks on a background with the Yxy color 35.6003, 0.5361, 0.3914.

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

35.6003, 0.5361, 0.3914

Protanopia

35.9215, 0.4229, 0.4658

Deuteranopia

35.5727, 0.4647, 0.4560



Tritanopia

35.6975, 0.4645, 0.3225

Trichromacy



Original Color

35.6003, 0.5361, 0.3914

Protanomaly

34.8115, 0.4666, 0.4371

Deuteranomaly

34.9969, 0.4931, 0.4303

Tritanomaly

35.5192, 0.4973, 0.3531

Monochromacy



Original Color

35.6003, 0.5361, 0.3914

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.4854, 0.3973, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6003, 0.5361, 0.3914 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, 43)` looks like.

```
.text, #text, p{  
  color:rgb(255, 123, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 43) }
```

Border

The CSS property to change the border of an element to Yxy 35.6003, 0.5361, 0.3914 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, 43) }
```

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

```
.border{ border-color:rgb(255, 123, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6003, 0.5361, 0.3914 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, 43) }
```

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

```
.background{ background-color: rgb(255,  
123, 43) }
```

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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