

Converting Colors

$Y_{xy}(33.5056, 0.5541, 0.3911)$

Have a look what the booklet for
Yxy(33.5056, 0.5541, 0.3911)
contains.

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Color

Yxy(33.5756, 0.5539, 0.3915)

Conversions

Conversions Part 1

Format	Color
Hex	FF7315
RGB	255, 115, 21
RGB Percent	100%, 45%, 8%
CMY	0.0000, 0.5490, 0.9179
CMYK	0.00, 0.55, 0.92, 0.00
HSL	24°, 100%, 54%
HSV	24°, 92%, 100%
XYZ	47.5033, 33.5756, 4.6826
YIQ	146.1440, 113.6140, 0.4460

Conversions

Conversions Part 2

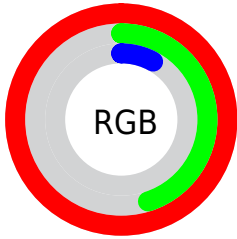
Format	Color
R _Y B	255, 178, 21
Decimal	16741141
CIE Lab	64.62, 49.28, 68.94
CIE LCh	65, 84.737, 54.443
Yxy	33.5756, 0.5539, 0.3915
Android (android.graphics.Color)	4294931221 (0xFFFF7315)
YUV	146.1440, -61.6960, 95.4667
Hunter-Lab	57.9445, 44.9327, 35.7698

Details

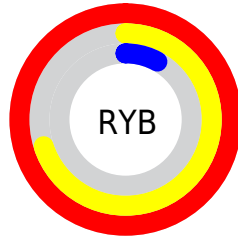
The Yxy color **33.5756, 0.5539, 0.3915** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **32.8320, 0.1904, 0.2012**, and the grayscale version is **29.0290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5740, 0.4684, 0.4154**, and **14.2846, 0.5912, 0.3687** is the 20% darker color. If you saturate the color by 10%, you get **30.8605, 0.5724, 0.3837**, and if you desaturate by 10%, it is **37.4949, 0.5266, 0.3968**.

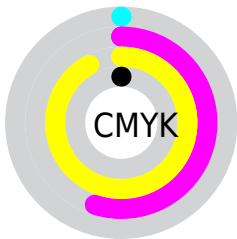
Distribution



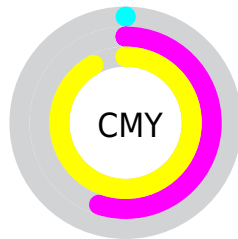
- Red (100%)
- Green (45%)
- Blue (8%)



- Red (100%)
- Yellow (70%)
- Blue (8%)



- Cyan (0%)
- Magenta (55%)
- Yellow (92%)
- Black (0%)




- Cyan (0%)
- Magenta (55%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5756, 0.5539, 0.3915 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 33.5756, 0.5539, 0.3915 by changing the saturation by 10% instead.

 33.5756, 0.5539,
0.3915


 33.5756, 0.5539,
0.3915


318.2355, 0.4368,
0.3783

 22.5678, 0.5779,
0.3876


 65.2731, 0.5146,
0.3920


 14.2747, 0.6056,
0.3795


 86.7316, 0.4987,
0.3906


 8.3120, 0.6365,
0.3635


 112.4425, 0.4848,
0.3887

 4.2952, 0.6667,
0.3333

 142.7900, 0.4727,
0.3867

 1.8400, 0.7111,
0.2889

 178.1587, 0.4620,
0.3845

 0.5119, 0.7967,
0.2033

 218.9329, 0.4526,


 0.0000, 1.0000,


0.3824

0.0000

 265.4971, 0.4443,
0.3803


 0.0000, 0.0000,
0.0000

 33.5756, 0.5539,
0.3915

 33.5756, 0.5539,
0.3915


 30.8605, 0.5724,
0.3837


 37.4949, 0.5266,
0.3968


 42.1335, 0.4953,
0.3967


 47.5362, 0.4627,
0.3919

 53.7416, 0.4310,
0.3839

 60.7849, 0.4017,
0.3739

 68.6991, 0.3754,
0.3630

 77.5151, 0.3524,
0.3518

 87.2619, 0.3326,
0.3410

 97.9675, 0.3155,
0.3308

Harmonies

Analogous

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



33.5756, 0.5437, 0.3135



33.5756, 0.5539, 0.3915



33.5756, 0.4888, 0.4795

Triad

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



33.5756, 0.5539, 0.3915



33.5756, 0.1779, 0.4310



33.5756, 0.1993, 0.1572

Complementary

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



33.5756, 0.5539, 0.3915



32.8320, 0.1904, 0.2012

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.



33.5756, 0.1382, 0.1562



33.5756, 0.5539, 0.3915



33.5756, 0.1248, 0.2789

Square

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



33.5756, 0.5539, 0.3915



33.5756, 0.2747, 0.5610



33.5756, 0.1145, 0.1906



33.5756, 0.3062, 0.1872

Rectangle

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



33.5756, 0.5539, 0.3915



33.5756, 0.4228, 0.5370



33.5756, 0.1145, 0.1906



33.5756, 0.1742, 0.1535

Sweetspot

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



33.5775, 0.5539, 0.3915



71.9422, 0.3663, 0.3587



24.3779, 0.4425, 0.2249



14.6126, 0.3767, 0.3635



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.



33.5775, 0.5539, 0.3915



30.8629, 0.5724, 0.3837



78.7916, 0.4351, 0.4890



19.1856, 0.3284, 0.3386



16.3999, 0.5695, 0.3860



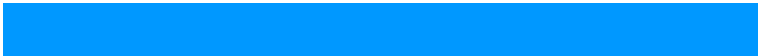
1.8040, 0.5487, 0.4025

Inverse Universe

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



32.8320, 0.1904, 0.2012



29.8365, 0.1858, 0.1888



9.2041, 0.1556, 0.0743



19.1845, 0.2979, 0.3192



15.8906, 0.1865, 0.1913



1.7614, 0.1913, 0.2086

Previews

White Background



This preview shows how the Yxy color 33.5756, 0.5539, 0.3915 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 33.5756, 0.5539, 0.3915 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 33.5756, 0.5539, 0.3915

Background



This preview shows how black text looks on a background with the Yxy color 33.5756, 0.5539, 0.3915.



This preview shows how white text looks on a background with the Yxy color 33.5756, 0.5539, 0.3915.

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

33.5756, 0.5539, 0.3915

Protanopia

33.9106, 0.4320, 0.4782

Deuteranopia

33.6370, 0.4723, 0.4632



Tritanopia

33.6728, 0.4803, 0.3237

Trichromacy



Original Color

33.5756, 0.5539, 0.3915

Protanomaly

32.4138, 0.4801, 0.4437

Deuteranomaly

32.9689, 0.5043, 0.4352

Tritanomaly

33.4424, 0.5181, 0.3571

Monochromacy



Original Color

33.5756, 0.5539, 0.3915

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.7066, 0.4104, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5756, 0.5539, 0.3915 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, 115, 21)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 21)  
}
```

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, 115, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 21) }
```

Border

The CSS property to change the border of an element to Yxy 33.5756, 0.5539, 0.3915 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, 115, 21) }
```

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

```
.border{ border-color:rgb(255, 115, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 21);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5756, 0.5539, 0.3915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 21) }
```

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

```
.background{ background-color: rgb(255,  
115, 21) }
```

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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