

Converting Colors

$Y_{xy}(35.3556, 0.5433, 0.3964)$

Have a look what the booklet for
Yxy(35.3556, 0.5433, 0.3964)
contains.

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Color

Yxy(35.2629, 0.5438, 0.3961)

Conversions

Conversions Part 1

Format	Color
Hex	FF7A1C
RGB	255, 122, 28
RGB Percent	100%, 48%, 11%
CMY	0.0000, 0.5216, 0.8904
CMYK	0.00, 0.52, 0.89, 0.00
HSL	25°, 100%, 55%
HSV	25°, 89%, 100%
XYZ	48.4119, 35.2629, 5.3504
YIQ	151.0510, 109.4420, -1.0380

Conversions

Conversions Part 2

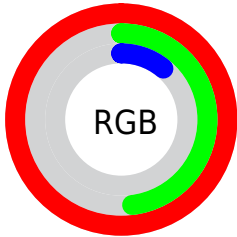
Format	Color
R _Y B	255, 188, 28
Decimal	16742940
CIE Lab	65.95, 46.06, 68.04
CIE LCh	66, 82.168, 55.903
Yxy	35.2629, 0.5438, 0.3961
Android (android.graphics.Color)	4294933020 (0xFFFF7A1C)
YUV	151.0510, -60.6641, 91.1633
Hunter-Lab	59.3826, 41.6035, 36.2257

Details

The Yxy color **35.2629, 0.5438, 0.3961** 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 **32.9405, 0.1912, 0.2014**, and the grayscale version is **31.1974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3602, 0.4587, 0.4176**, and **15.3326, 0.5807, 0.3771** is the 20% darker color. If you saturate the color by 10%, you get **31.7938, 0.5668, 0.3874**, and if you desaturate by 10%, it is **39.3949, 0.5157, 0.3997**.

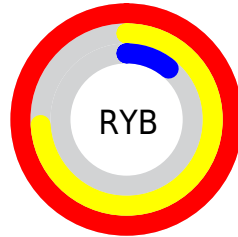
Distribution



Red (100%)

Green (48%)

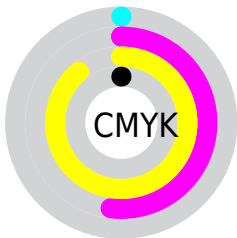
Blue (11%)



Red (100%)

Yellow (74%)

Blue (11%)

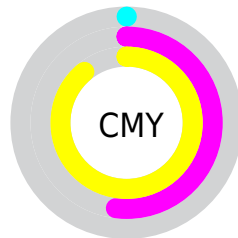


Cyan (0%)

Magenta (52%)

Yellow (89%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2629, 0.5438, 0.3961 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 35.2629, 0.5438, 0.3961 by changing the saturation by 10% instead.


 35.2629, 0.5438,
0.3961


 35.2629, 0.5438,
0.3961


325.7272, 0.4319,
0.3792


 23.8655, 0.5669,
0.3937


 67.8928, 0.5061,
0.3949


 15.2338, 0.5930,
0.3871


 89.8941, 0.4909,
0.3929


 8.9837, 0.6249,
0.3751


 116.1988, 0.4777,
0.3907

 4.7305, 0.6525,
0.3475

 147.1913, 0.4662,
0.3883

 2.0900, 0.6931,
0.3069

 183.2560, 0.4560,
0.3859

 0.6590, 0.7626,
0.2374

 224.7773, 0.4470,

 0.0000, 1.0000,

0.3836

0.0000

272.1396, 0.4390,
0.3813

■ 0.0000, 0.0000,
0.0000

■ 35.2629, 0.5438,
0.3961

■ 35.2629, 0.5438,
0.3961

■ 31.7938, 0.5668,
0.3874

■ 39.3949, 0.5157,
0.3997

■ 31.4907, 0.5689,
0.3865

■ 44.2399, 0.4844,
0.3979

■ 49.8378, 0.4524,
0.3918

■ 56.2244, 0.4218,
0.3828

■ 63.4330, 0.3936,
0.3722

71.4945, 0.3685,
0.3608

80.4381, 0.3466,
0.3494

90.2913, 0.3276,
0.3384

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.



35.2629, 0.5365, 0.3192



35.2629, 0.5438, 0.3961



35.2629, 0.4803, 0.4809

Triad

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



35.2629, 0.5438, 0.3961



35.2629, 0.1802, 0.4185



35.2629, 0.2077, 0.1635

Complementary

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



35.2629, 0.5438, 0.3961



32.9405, 0.1912, 0.2014

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.



35.2629, 0.1458, 0.1613



35.2629, 0.5438, 0.3961



35.2629, 0.1299, 0.2765

Square

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



35.2629, 0.5438, 0.3961



35.2629, 0.2728, 0.5454



35.2629, 0.1210, 0.1936



35.2629, 0.3130, 0.1941

Rectangle

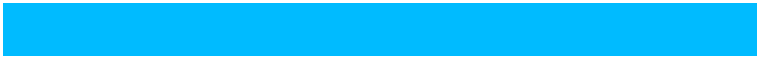
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.2629, 0.5438, 0.3961



35.2629, 0.4164, 0.5338



35.2629, 0.1210, 0.1936



35.2629, 0.1824, 0.1594

Sweetspot

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



35.2628, 0.5438, 0.3961



73.2438, 0.3638, 0.3584



24.7753, 0.4374, 0.2240



15.0540, 0.3718, 0.3624



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.



35.2628, 0.5438, 0.3961



31.4907, 0.5689, 0.3865



79.2234, 0.4337, 0.4882



19.2230, 0.3284, 0.3389



16.7323, 0.5660, 0.3888



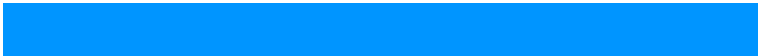
1.8385, 0.5456, 0.4050

Inverse Universe

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



32.9405, 0.1912, 0.2014



28.8341, 0.1846, 0.1844



9.8043, 0.1576, 0.0785



19.1462, 0.2979, 0.3189



15.3680, 0.1853, 0.1870



1.7120, 0.1902, 0.2047

Previews

White Background



This preview shows how the Yxy color 35.2629, 0.5438, 0.3961 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 35.2629, 0.5438, 0.3961 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 35.2629, 0.5438, 0.3961

Background



This preview shows how black text looks on a background with the Yxy color 35.2629, 0.5438, 0.3961.



This preview shows how white text looks on a background with the Yxy color 35.2629, 0.5438, 0.3961.

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

35.2629, 0.5438, 0.3961

Protanopia

35.4534, 0.4311, 0.4753

Deuteranopia

35.1530, 0.4724, 0.4631



Tritanopia

35.1808, 0.4681, 0.3225

Trichromacy



Original Color

35.2629, 0.5438, 0.3961

Protanomaly

34.3928, 0.4750, 0.4447

Deuteranomaly

34.6013, 0.5014, 0.4370

Tritanomaly

34.9214, 0.5061, 0.3572

Monochromacy



Original Color

35.2629, 0.5438, 0.3961

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.6156, 0.4050, 0.3762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2629, 0.5438, 0.3961 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, 28)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 28) }
```

Border

The CSS property to change the border of an element to Yxy 35.2629, 0.5438, 0.3961 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, 28) }
```

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

```
.border{ border-color:rgb(255, 122, 28) }
```

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, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 28);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2629, 0.5438, 0.3961 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, 28) }
```

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

```
.background{ background-color: rgb(255,  
122, 28) }
```

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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