

Converting Colors

Yxy(36.6320, 0.5385, 0.4013)

Have a look what the booklet for
Yxy(36.6320, 0.5385, 0.4013)
contains.

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Color

Yxy(36.5179, 0.5385, 0.4011)

Conversions

Conversions Part 1

Format	Color
Hex	FF7F1B
RGB	255, 127, 27
RGB Percent	100%, 50%, 11%
CMY	0.0000, 0.5019, 0.8943
CMYK	0.00, 0.50, 0.89, 0.00
HSL	26°, 100%, 55%
HSV	26°, 89%, 100%
XYZ	49.0274, 36.5179, 5.4991
YIQ	153.8720, 108.3880, -3.9640

Conversions

Conversions Part 2

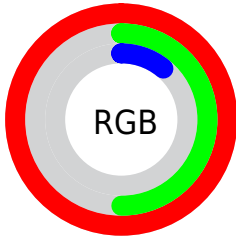
Format	Color
R_{YB}	255, 205, 27
Decimal	16744219
CIE Lab	66.91, 43.61, 69.03
CIE LCh	67, 81.647, 57.718
Yxy	36.5179, 0.5385, 0.4011
Android (android.graphics.Color)	4294934299 (0xFFFF7F1B)
YUV	153.8720, -62.5479, 88.6893
Hunter-Lab	60.4300, 39.0660, 36.9057

Details

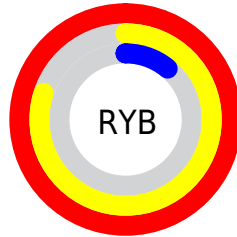
The Yxy color **36.5179, 0.5385, 0.4011** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **30.8807, 0.1888, 0.1929**, and the grayscale version is **32.4995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3718, 0.4546, 0.4223**, and **16.1085, 0.5721, 0.3840** is the 20% darker color. If you saturate the color by 10%, you get **33.0055, 0.5606, 0.3927**, and if you desaturate by 10%, it is **40.6565, 0.5117, 0.4044**.

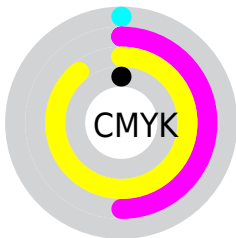
Distribution



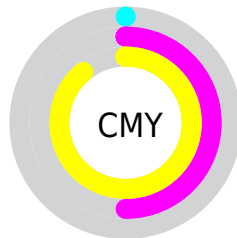
- Red (100%)
- Green (50%)
- Blue (11%)



- Red (100%)
- Yellow (80%)
- Blue (11%)



- Cyan (0%)
- Magenta (50%)
- Yellow (89%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5179, 0.5385, 0.4011 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 36.5179, 0.5385, 0.4011 by changing the saturation by 10% instead.


 36.5179, 0.5385,
0.4011


 36.5179, 0.5385,
0.4011


331.2186, 0.4300,
0.3815

 24.8344, 0.5607,
0.3995


 69.8307, 0.5022,
0.3988

 15.9538, 0.5856,
0.3939


 92.2288, 0.4875,
0.3965


 9.4914, 0.6163,
0.3837


 118.9673, 0.4746,
0.3939

 5.0631, 0.6420,
0.3580

 150.4305, 0.4634,
0.3912

 2.2843, 0.6799,
0.3201

 187.0028, 0.4535,
0.3886

 0.7654, 0.7414,
0.2586

 229.0687, 0.4448,

 0.0000, 1.0000,

0.3861

0.0000

277.0125, 0.4370,
0.3837

■ 0.0000, 0.0000,
0.0000

■ 36.5179, 0.5385,
0.4011

■ 36.5179, 0.5385,
0.4011

■ 33.0055, 0.5606,
0.3927

■ 40.6565, 0.5117,
0.4044

■ 32.8204, 0.5618,
0.3921

■ 45.4635, 0.4817,
0.4023

■ 50.9777, 0.4509,
0.3958

■ 57.2324, 0.4212,
0.3863

■ 64.2583, 0.3936,
0.3751

72.0838, 0.3689,
0.3631

80.7359, 0.3471,
0.3510

90.2399, 0.3282,
0.3394

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.



36.5179, 0.5358, 0.3244



36.5179, 0.5385, 0.4011



36.5179, 0.4735, 0.4848

Triad

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



36.5179, 0.5385, 0.4011



36.5179, 0.1781, 0.4077



36.5179, 0.2144, 0.1666

Complementary

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



36.5179, 0.5385, 0.4011



30.8807, 0.1888, 0.1929

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.



36.5179, 0.1505, 0.1628



36.5179, 0.5385, 0.4011



36.5179, 0.1308, 0.2710

Square

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



36.5179, 0.5385, 0.4011



36.5179, 0.2677, 0.5363



36.5179, 0.1239, 0.1925



36.5179, 0.3207, 0.1986

Rectangle

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



36.5179, 0.5385, 0.4011



36.5179, 0.4097, 0.5351



36.5179, 0.1239, 0.1925



36.5179, 0.1884, 0.1620

Sweetspot

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



36.5197, 0.5385, 0.4011



74.1058, 0.3633, 0.3601



24.4488, 0.4502, 0.2310



15.2555, 0.3712, 0.3643



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.



36.5197, 0.5385, 0.4011



32.8204, 0.5618, 0.3921



83.5400, 0.4282, 0.4931



19.2983, 0.3283, 0.3395



17.4347, 0.5590, 0.3944



1.9106, 0.5392, 0.4100

Inverse Universe

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



30.8807, 0.1888, 0.1929



26.9030, 0.1821, 0.1757



9.1203, 0.1562, 0.0737



19.0694, 0.2979, 0.3183



14.3601, 0.1829, 0.1784



1.6159, 0.1881, 0.1970

Previews

White Background



This preview shows how the Yxy color 36.5179, 0.5385, 0.4011 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 36.5179, 0.5385, 0.4011 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 36.5179, 0.5385, 0.4011

Background



This preview shows how black text looks on a background with the Yxy color 36.5179, 0.5385, 0.4011.



This preview shows how white text looks on a background with the Yxy color 36.5179, 0.5385, 0.4011.

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

36.5179, 0.5385, 0.4011

Protanopia

36.8748, 0.4314, 0.4767

Deuteranopia

36.5645, 0.4715, 0.4638



Tritanopia

36.5197, 0.4580, 0.3214

Trichromacy



Original Color

36.5179, 0.5385, 0.4011

Protanomaly

35.9447, 0.4726, 0.4480

Deuteranomaly

36.1200, 0.4982, 0.4397

Tritanomaly

36.1986, 0.4980, 0.3587

Monochromacy



Original Color

36.5179, 0.5385, 0.4011

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.1056, 0.4026, 0.3784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5179, 0.5385, 0.4011 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, 127, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 27)  
}
```

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, 127, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 27) }
```

Border

The CSS property to change the border of an element to Yxy 36.5179, 0.5385, 0.4011 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, 127, 27) }
```

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

```
.border{ border-color:rgb(255, 127, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 127, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5179, 0.5385, 0.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 27) }
```

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

```
.background{ background-color: rgb(255,  
127, 27) }
```

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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