

Converting Colors

$Y_{xy}(34.3533, 0.5520, 0.3963)$

Have a look what the booklet for
Yxy(34.3533, 0.5520, 0.3963)
contains.

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Color

Yxy(34.2459, 0.5524, 0.3959)

Conversions

Conversions Part 1

Format	Color
Hex	FF760D
RGB	255, 118, 13
RGB Percent	100%, 46%, 5%
CMY	0.0001, 0.5371, 0.9490
CMYK	0.00, 0.54, 0.95, 0.00
HSL	26°, 100%, 53%
HSV	26°, 95%, 100%
XYZ	47.7834, 34.2459, 4.4721
YIQ	146.9930, 115.3570, -3.6110

Conversions

Conversions Part 2

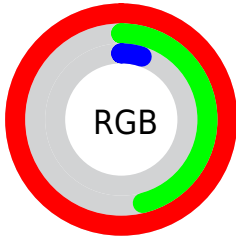
Format	Color
R _Y B	255, 198, 13
Decimal	16741901
CIE Lab	65.16, 47.76, 70.92
CIE LCh	65, 85.501, 56.045
Yxy	34.2459, 0.5524, 0.3959
Android (android.graphics.Color)	4294931981 (0xFFFF760D)
YUV	146.9930, -66.0585, 94.7221
Hunter-Lab	58.5200, 43.3407, 36.4330

Details

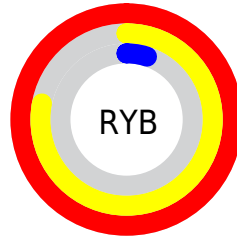
The Yxy color **34.2459, 0.5524, 0.3959** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **29.0965, 0.1856, 0.1855**, and the grayscale version is **29.4210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6689, 0.4676, 0.4203**, and **14.7277, 0.5858, 0.3731** is the 20% darker color. If you saturate the color by 10%, you get **32.5527, 0.5631, 0.3911**, and if you desaturate by 10%, it is **38.0255, 0.5280, 0.4023**.

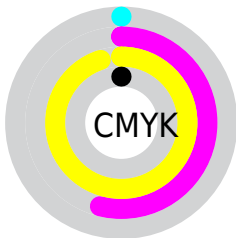
Distribution



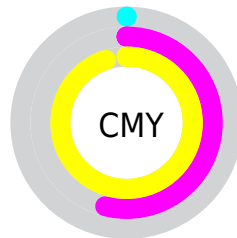
- Red (100%)
- Green (46%)
- Blue (5%)



- Red (100%)
- Yellow (78%)
- Blue (5%)



- Cyan (0%)
- Magenta (54%)
- Yellow (95%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2459, 0.5524, 0.3959 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 34.2459, 0.5524, 0.3959 by changing the saturation by 10% instead.

 34.2459, 0.5524,
0.3959


 34.2459, 0.5524,
0.3959

321.2271, 0.4371,
0.3810


 23.0826, 0.5756,
0.3923


 66.3159, 0.5140,
0.3959


 14.6545, 0.6026,
0.3847


 87.9913, 0.4984,
0.3943


 8.5773, 0.6312,
0.3688


 113.9396, 0.4847,
0.3922

 4.4665, 0.6602,
0.3398

 144.5451, 0.4727,
0.3900

 1.9378, 0.7031,
0.2969

 180.1922, 0.4622,
0.3876

 0.5709, 0.7813,
0.2187

 221.2653, 0.4529,


 0.0000, 1.0000,


0.3854


0.0000


 268.1488, 0.4445,
0.3831


 0.0000, 0.0000,
0.0000


 34.2459, 0.5524,
0.3959


 34.2459, 0.5524,
0.3959

 32.5527, 0.5631,
0.3911

 38.0255, 0.5280,
0.4023

 42.4580, 0.4992,
0.4032

 47.5858, 0.4684,
0.3991

 53.4446, 0.4377,
0.3912

 60.0668, 0.4087,
0.3809

67.4827, 0.3822,
0.3693

75.7202, 0.3588,
0.3573

84.8061, 0.3382,
0.3455

94.7655, 0.3205,
0.3343

Harmonies

Analogous

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



34.2459, 0.5472, 0.3174



34.2459, 0.5524, 0.3959



34.2459, 0.4841, 0.4845

Triad

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



34.2459, 0.5524, 0.3959



34.2459, 0.1736, 0.4223



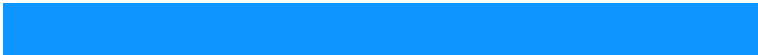
34.2459, 0.2036, 0.1578

Complementary

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



34.2459, 0.5524, 0.3959



29.0965, 0.1856, 0.1855

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.



34.2459, 0.1402, 0.1552



34.2459, 0.5524, 0.3959



34.2459, 0.1230, 0.2722

Square

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



34.2459, 0.5524, 0.3959



34.2459, 0.2687, 0.5578



34.2459, 0.1147, 0.1874



34.2459, 0.3131, 0.1894

Rectangle

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



34.2459, 0.5524, 0.3959



34.2459, 0.4172, 0.5414



34.2459, 0.1147, 0.1874



34.2459, 0.1776, 0.1536

Sweetspot

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



34.2478, 0.5524, 0.3959



73.0976, 0.3657, 0.3610



23.7481, 0.4613, 0.2336



14.8869, 0.3759, 0.3662



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.



34.2478, 0.5524, 0.3959



32.5609, 0.5631, 0.3911



82.9226, 0.4302, 0.4947



19.2840, 0.3283, 0.3394



17.2978, 0.5603, 0.3933



1.8967, 0.5404, 0.4091

Inverse Universe

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



29.0965, 0.1856, 0.1855



27.2612, 0.1826, 0.1773



8.1888, 0.1529, 0.0671



19.0839, 0.2979, 0.3184



14.5472, 0.1833, 0.1800



1.6338, 0.1885, 0.1985

Previews

White Background



This preview shows how the Yxy color 34.2459, 0.5524, 0.3959 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 34.2459, 0.5524, 0.3959 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 34.2459, 0.5524, 0.3959

Background



This preview shows how black text looks on a background with the Yxy color 34.2459, 0.5524, 0.3959.



This preview shows how white text looks on a background with the Yxy color 34.2459, 0.5524, 0.3959.

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

34.2459, 0.5524, 0.3959

Protanopia

34.4591, 0.4350, 0.4807

Deuteranopia

34.0921, 0.4720, 0.4634



Tritanopia

34.1803, 0.4754, 0.3226

Trichromacy



Original Color

34.2459, 0.5524, 0.3959

Protanomaly

33.2698, 0.4818, 0.4471

Deuteranomaly

33.4036, 0.5044, 0.4361

Tritanomaly

33.8738, 0.5174, 0.3598

Monochromacy



Original Color

34.2459, 0.5524, 0.3959

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.9293, 0.4130, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2459, 0.5524, 0.3959 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, 118, 13)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 13)  
}
```

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, 118, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 13) }
```

Border

The CSS property to change the border of an element to Yxy 34.2459, 0.5524, 0.3959 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, 118, 13) }
```

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

```
.border{ border-color:rgb(255, 118, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2459, 0.5524, 0.3959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 13) }
```

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

```
.background{ background-color: rgb(255,  
118, 13) }
```

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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