

Converting Colors

$Y_{xy}(34.5433, 0.5442, 0.3905)$

Have a look what the booklet for
Yxy(34.5433, 0.5442, 0.3905)
contains.

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Color

Yxy(34.5810, 0.5439, 0.3906)

Conversions

Conversions Part 1

Format	Color
Hex	FF7724
RGB	255, 119, 36
RGB Percent	100%, 47%, 14%
CMY	0.0000, 0.5333, 0.8592
CMYK	0.00, 0.53, 0.86, 0.00
HSL	23°, 100%, 57%
HSV	23°, 86%, 100%
XYZ	48.1531, 34.5810, 5.7989
YIQ	150.2020, 107.6990, 3.0190

Conversions

Conversions Part 2

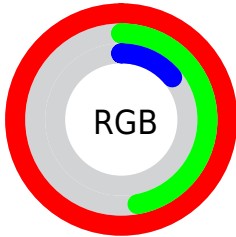
Format	Color
R_{YB}	255, 170, 36
Decimal	16742180
CIE _{Lab}	65.42, 47.64, 65.13
CIE _{LCh}	65, 80.698, 53.816
Yxy	34.5810, 0.5439, 0.3906
Android (android.graphics.Color)	4294932260 (0xFFFF7724)
YUV	150.2020, -56.3016, 91.9078
Hunter-Lab	58.8056, 43.2553, 35.3172

Details

The Yxy color **34.5810, 0.5439, 0.3906** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **37.0590, 0.1965, 0.2173**, and the grayscale version is **30.7975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2703, 0.4578, 0.4110**, and **14.9728, 0.5849, 0.3737** is the 20% darker color. If you saturate the color by 10%, you get **31.0196, 0.5697, 0.3828**, and if you desaturate by 10%, it is **38.8842, 0.5129, 0.3931**.

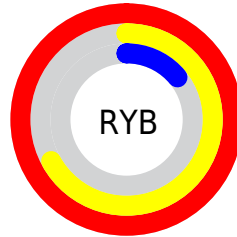
Distribution



Red (100%)

Green (47%)

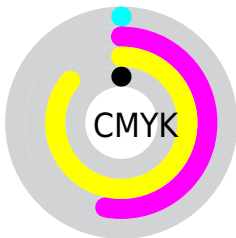
Blue (14%)



Red (100%)

Yellow (67%)

Blue (14%)

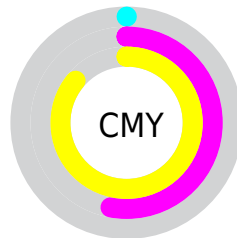


Cyan (0%)

Magenta (53%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5810, 0.5439, 0.3906 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 34.5810, 0.5439, 0.3906 by changing the saturation by 10% instead.

 34.5810, 0.5439,
0.3906


 34.5810, 0.5439,
0.3906


322.7150, 0.4306,
0.3756

 23.3403, 0.5678,
0.3880


 66.8362, 0.5053,
0.3898

 14.8450, 0.5952,
0.3812


 88.6194, 0.4899,
0.3881

 8.7107, 0.6303,
0.3697


 114.6856, 0.4765,
0.3861

 4.5529, 0.6590,
0.3410

 145.4192, 0.4649,
0.3839

 1.9874, 0.7013,
0.2987

 181.2045, 0.4547,
0.3817

 0.6002, 0.7765,
0.2235

 222.4260, 0.4457,

 0.0000, 1.0000,

0.3796

0.0000

269.4680, 0.4377,
0.3775

■ 0.0000, 0.0000,
0.0000

■ 34.5810, 0.5439,
0.3906

■ 34.5810, 0.5439,
0.3906

■ 31.0196, 0.5697,
0.3828

■ 38.8842, 0.5129,
0.3931


■ 29.7571, 0.5788,
0.3786

■ 43.9725, 0.4794,
0.3906

■ 49.8913, 0.4461,
0.3843

■ 56.6801, 0.4148,
0.3755

■ 64.3754, 0.3866,
0.3654

 73.0115, 0.3619,
0.3549

 82.6207, 0.3405,
0.3445

 93.2336, 0.3222,
0.3346

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



34.5810, 0.5303, 0.3146



34.5810, 0.5439, 0.3906



34.5810, 0.4851, 0.4743

Triad

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



34.5810, 0.5439, 0.3906



34.5810, 0.1868, 0.4282



34.5810, 0.2031, 0.1637

Complementary

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



34.5810, 0.5439, 0.3906



37.0590, 0.1965, 0.2173

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.



34.5810, 0.1443, 0.1637



34.5810, 0.5439, 0.3906



34.5810, 0.1335, 0.2853

Square

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



34.5810, 0.5439, 0.3906



34.5810, 0.2810, 0.5472



34.5810, 0.1220, 0.1988



34.5810, 0.3046, 0.1923

Rectangle

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



34.5810, 0.5439, 0.3906



34.5810, 0.4231, 0.5274



34.5810, 0.1220, 0.1988



34.5810, 0.1789, 0.1604

Sweetspot

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



34.5829, 0.5439, 0.3906



72.9374, 0.3621, 0.3550



25.5978, 0.4205, 0.2171



14.9486, 0.3703, 0.3586



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.



34.5829, 0.5439, 0.3906



29.7583, 0.5788, 0.3786



75.6616, 0.4375, 0.4819



19.1162, 0.3285, 0.3381



15.8140, 0.5758, 0.3810



1.7424, 0.5546, 0.3979

Inverse Universe

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



37.0590, 0.1965, 0.2173



31.7682, 0.1881, 0.1970



11.3883, 0.1618, 0.0891



19.2559, 0.2979, 0.3198



16.8968, 0.1887, 0.1994



1.8560, 0.1933, 0.2158

Previews

White Background



This preview shows how the Yxy color 34.5810, 0.5439, 0.3906 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 34.5810, 0.5439, 0.3906 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 34.5810, 0.5439, 0.3906

Background



This preview shows how black text looks on a background with the Yxy color 34.5810, 0.5439, 0.3906.



This preview shows how white text looks on a background with the Yxy color 34.5810, 0.5439, 0.3906.

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

34.5810, 0.5439, 0.3906

Protanopia

34.9226, 0.4264, 0.4704

Deuteranopia

34.5852, 0.4693, 0.4605



Tritanopia

34.6751, 0.4717, 0.3226

Trichromacy



Original Color

34.5810, 0.5439, 0.3906

Protanomaly

33.6834, 0.4727, 0.4389

Deuteranomaly

33.8993, 0.5001, 0.4324

Tritanomaly

34.4890, 0.5057, 0.3536

Monochromacy



Original Color

34.5810, 0.5439, 0.3906

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.2607, 0.4012, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5810, 0.5439, 0.3906 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, 119, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 36)  
}
```

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, 119, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 36) }
```

Border

The CSS property to change the border of an element to Yxy 34.5810, 0.5439, 0.3906 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, 119, 36) }
```

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

```
.border{ border-color:rgb(255, 119, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 119, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5810, 0.5439, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 36) }
```

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

```
.background{ background-color: rgb(255,  
119, 36) }
```

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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