

Converting Colors

$Y_{xy}(38.3758, 0.5337, 0.4108)$

Have a look what the booklet for
Yxy(38.3758, 0.5337, 0.4108)
contains.

Yxy(38.3419, 0.5338, 0.4106)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(38.3419, 0.5338, 0.4106)

Conversions

Conversions Part 1

Format	Color
Hex	FF860E
RGB	255, 134, 14
RGB Percent	100%, 53%, 5%
CMY	0.0000, 0.4745, 0.9447
CMYK	0.00, 0.47, 0.94, 0.00
HSL	30°, 100%, 53%
HSV	30°, 94%, 100%
XYZ	49.8463, 38.3419, 5.1919
YIQ	156.4990, 110.6360, -11.6680

Conversions

Conversions Part 2

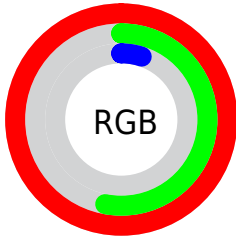
Format	Color
RYB	255, 253, 14
Decimal	16745998
CIELab	68.27, 39.97, 72.77
CIElCh	68, 83.027, 61.220
Yxy	38.3419, 0.5338, 0.4106
Android (android.graphics.Color)	4294936078 (0xFFFF860E)
YUV	156.4990, -70.2520, 86.3854
Hunter-Lab	61.9208, 35.3312, 38.3732

Details

The Yxy color **38.3419, 0.5338, 0.4106** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **24.6665, 0.1800, 0.1650**, and the grayscale version is **33.7694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7910, 0.4532, 0.4320**, and **17.1110, 0.5617, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **36.4197, 0.5443, 0.4060**, and if you desaturate by 10%, it is **42.2191, 0.5119, 0.4155**.

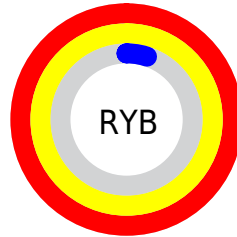
Distribution



Red (100%)

Green (53%)

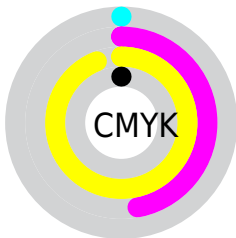
Blue (5%)



Red (100%)

Yellow (99%)

Blue (5%)

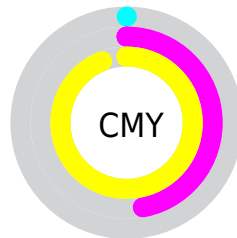


Cyan (0%)

Magenta (47%)

Yellow (94%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3419, 0.5338, 0.4106 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 38.3419, 0.5338, 0.4106 by changing the saturation by 10% instead.


 38.3419, 0.5338,
0.4106


 38.3419, 0.5338,
0.4106


339.0844, 0.4297,
0.3870

 26.2482, 0.5543,
0.4098


 72.6319, 0.4995,
0.4070


 17.0094, 0.5772,
0.4053


 95.5969, 0.4855,
0.4042

 10.2412, 0.6041,
0.3959


 122.9545, 0.4731,
0.4011

 5.5592, 0.6271,
0.3729

 155.0890, 0.4623,
0.3980

 2.5789, 0.6610,
0.3390

 192.3848, 0.4526,
0.3951


 0.9161, 0.7150,
0.2850

 235.2264, 0.4441,


 0.0000, 1.0000,


0.3922

0.0000


 283.9981, 0.4365,
0.3895


 0.0000, 0.0000,
0.0000


 38.3419, 0.5338,
0.4106


 38.3419, 0.5338,
0.4106


 36.4197, 0.5443,
0.4060

 42.2191, 0.5119,
0.4155

 46.6521, 0.4863,
0.4147

 51.6756, 0.4586,
0.4090

 57.3185, 0.4307,
0.3995

 63.6073, 0.4040,
0.3876

70.5663, 0.3792,
0.3744

78.2181, 0.3569,
0.3607

86.5843, 0.3371,
0.3473

95.6851, 0.3197,
0.3345

Harmonies

Analogous

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



38.3419, 0.5407, 0.3329



38.3419, 0.5338, 0.4106



38.3419, 0.4631, 0.4945

Triad

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



38.3419, 0.5338, 0.4106



38.3419, 0.1701, 0.3898



38.3419, 0.2246, 0.1689

Complementary

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



38.3419, 0.5338, 0.4106



24.6665, 0.1800, 0.1650

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.



38.3419, 0.1558, 0.1616



38.3419, 0.5338, 0.4106



38.3419, 0.1280, 0.2587

Square

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



38.3419, 0.5338, 0.4106



38.3419, 0.2557, 0.5261



38.3419, 0.1252, 0.1869



38.3419, 0.3354, 0.2040

Rectangle

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



38.3419, 0.5338, 0.4106



38.3419, 0.3977, 0.5421



38.3419, 0.1252, 0.1869



38.3419, 0.1969, 0.1632

Sweetspot

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



38.3431, 0.5338, 0.4106



75.4397, 0.3645, 0.3655



23.4278, 0.4804, 0.2445



15.4449, 0.3742, 0.3714



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.



38.3431, 0.5338, 0.4106



36.4197, 0.5443, 0.4060



90.2768, 0.4213, 0.5017



19.4807, 0.3282, 0.3409



19.3283, 0.5417, 0.4081



2.1002, 0.5240, 0.4221

Inverse Universe

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



24.6665, 0.1800, 0.1650



22.6776, 0.1765, 0.1552



7.7502, 0.1521, 0.0639



18.8854, 0.2979, 0.3169



12.1484, 0.1773, 0.1581



1.4013, 0.1830, 0.1786

Previews

White Background



This preview shows how the Yxy color 38.3419, 0.5338, 0.4106 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 38.3419, 0.5338, 0.4106 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 38.3419, 0.5338, 0.4106

Background



This preview shows how black text looks on a background with the Yxy color 38.3419, 0.5338, 0.4106.



This preview shows how white text looks on a background with the Yxy color 38.3419, 0.5338, 0.4106.

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

38.3419, 0.5338, 0.4106

Protanopia

38.4034, 0.4359, 0.4818

Tritanopia

38.4759, 0.4458, 0.3212

Trichromacy



Original Color

38.3419, 0.5338, 0.4106

Protanomaly

37.4977, 0.4732, 0.4548

Tritanomaly

37.9980, 0.4923, 0.3657

Monochromacy



Original Color

38.3419, 0.5338, 0.4106

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.8523, 0.4048, 0.3883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3419, 0.5338, 0.4106 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, 134, 14)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 14)  
}
```

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, 134, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 14) }
```

Border

The CSS property to change the border of an element to Yxy 38.3419, 0.5338, 0.4106 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, 134, 14) }
```

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

```
.border{ border-color:rgb(255, 134, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 134, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 14);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
14) }
```

Background

The CSS property to change the background color of an element to Yxy 38.3419, 0.5338, 0.4106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 14) }
```

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

```
.background{ background-color: rgb(255,  
134, 14) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor