

Converting Colors

$Y_{xy}(38.3778, 0.5338, 0.4110)$

Have a look what the booklet for
Yxy(38.3778, 0.5338, 0.4110)
contains.

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Color

Yxy(38.3393, 0.5340, 0.4108)

Conversions

Conversions Part 1

Format	Color
Hex	FF860D
RGB	255, 134, 13
RGB Percent	100%, 53%, 5%
CMY	0.0000, 0.4745, 0.9493
CMYK	0.00, 0.47, 0.95, 0.00
HSL	30°, 100%, 53%
HSV	30°, 95%, 100%
XYZ	49.8374, 38.3393, 5.1517
YIQ	156.3850, 110.9570, -11.9790

Conversions

Conversions Part 2

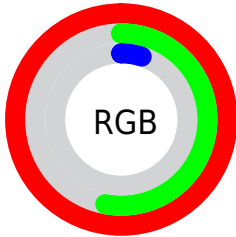
Format	Color
R _Y B	255, 255, 13
Decimal	16745997
CIE Lab	68.27, 39.96, 72.96
CIE LCh	68, 83.181, 61.291
Yxy	38.3393, 0.5340, 0.4108
Android (android.graphics.Color)	4294936077 (0xFFFF860D)
YUV	156.3850, -70.6888, 86.4854
Hunter-Lab	61.9187, 35.3139, 38.4101

Details

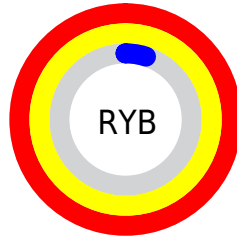
The Yxy color **38.3393, 0.5340, 0.4108** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **24.3340, 0.1794, 0.1634**, and the grayscale version is **33.7105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7765, 0.4538, 0.4327**, and **17.1110, 0.5617, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **36.5796, 0.5436, 0.4066**, and if you desaturate by 10%, it is **42.1937, 0.5124, 0.4159**.

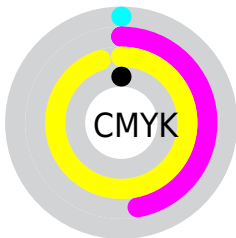
Distribution



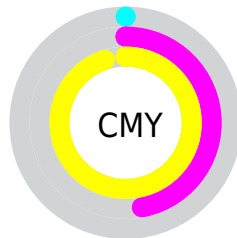
- Red (100%)
- Green (53%)
- Blue (5%)



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



- Cyan (0%)
- Magenta (47%)
- Yellow (95%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3393, 0.5340, 0.4108 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 38.3393, 0.5340, 0.4108 by changing the saturation by 10% instead.

 38.3393, 0.5340,
0.4108


 38.3393, 0.5340,
0.4108


339.0732, 0.4299,
0.3871


 26.2461, 0.5545,
0.4099


 72.6279, 0.4997,
0.4072

 17.0079, 0.5774,
0.4055


 95.5921, 0.4857,
0.4044

 10.2401, 0.6040,
0.3960


 122.9488, 0.4733,
0.4013

 5.5584, 0.6270,
0.3730

 155.0824, 0.4625,
0.3983

 2.5785, 0.6609,
0.3391

 192.3772, 0.4528,
0.3953

 0.9159, 0.7150,
0.2850

 235.2177, 0.4443,

 0.0000, 1.0000,

0.3924

0.0000

283.9883, 0.4367,
0.3897

0.0000, 0.0000,
0.0000

38.3393, 0.5340,
0.4108

38.3393, 0.5340,
0.4108

36.5796, 0.5436,
0.4066


42.1937, 0.5124,
0.4159

46.5978, 0.4871,
0.4153

51.5869, 0.4596,
0.4097

57.1901, 0.4317,
0.4003

63.4338, 0.4050,
0.3884

 70.3419, 0.3802,
0.3752

 77.9373, 0.3578,
0.3615

 86.2412, 0.3379,
0.3480

 95.2738, 0.3205,
0.3351

Harmonies

Analogous

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



38.3393, 0.5411, 0.3331



38.3393, 0.5340, 0.4108



38.3393, 0.4631, 0.4948

Triad

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



38.3393, 0.5340, 0.4108



38.3393, 0.1697, 0.3895



38.3393, 0.2246, 0.1687

Complementary

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



38.3393, 0.5340, 0.4108



24.3340, 0.1794, 0.1634

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.



38.3393, 0.1557, 0.1613



38.3393, 0.5340, 0.4108



38.3393, 0.1277, 0.2583

Square

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



38.3393, 0.5340, 0.4108



38.3393, 0.2553, 0.5263



38.3393, 0.1250, 0.1865



38.3393, 0.3357, 0.2040

Rectangle

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



38.3393, 0.5340, 0.4108



38.3393, 0.3974, 0.5426



38.3393, 0.1250, 0.1865



38.3393, 0.1969, 0.1630

Sweetspot

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



38.3414, 0.5340, 0.4108



75.5302, 0.3644, 0.3657



23.2663, 0.4882, 0.2486



15.4666, 0.3741, 0.3716



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.



38.3414, 0.5340, 0.4108



36.5799, 0.5436, 0.4066



92.8081, 0.4186, 0.5041



19.4883, 0.3282, 0.3409



19.4124, 0.5410, 0.4086



2.1085, 0.5234, 0.4226

Inverse Universe

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



24.3340, 0.1794, 0.1634



22.5165, 0.1762, 0.1544



7.5911, 0.1517, 0.0627



18.8779, 0.2979, 0.3168



12.0639, 0.1770, 0.1573



1.3930, 0.1828, 0.1779

Previews

White Background



This preview shows how the Yxy color 38.3393, 0.5340, 0.4108 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 38.3393, 0.5340, 0.4108 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 38.3393, 0.5340, 0.4108

Background



This preview shows how black text looks on a background with the Yxy color 38.3393, 0.5340, 0.4108.



This preview shows how white text looks on a background with the Yxy color 38.3393, 0.5340, 0.4108.

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

38.3393, 0.5340, 0.4108

Protanopia

38.3990, 0.4362, 0.4822

Deuteranopia

38.3026, 0.4725, 0.4630



Tritanopia

38.4759, 0.4458, 0.3212

Trichromacy



Original Color

38.3393, 0.5340, 0.4108

Protanomaly

37.4939, 0.4734, 0.4551

Deuteranomaly

37.8367, 0.4965, 0.4425

Tritanomaly

37.9806, 0.4932, 0.3665

Monochromacy



Original Color

38.3393, 0.5340, 0.4108

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.3858, 0.4054, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3393, 0.5340, 0.4108 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 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, 134, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 13) }
```

Border

The CSS property to change the border of an element to Yxy 38.3393, 0.5340, 0.4108 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, 13) }
```

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

```
.border{ border-color:rgb(255, 134, 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, 134, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3393, 0.5340, 0.4108 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, 13) }
```

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

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