

Converting Colors

$Y_{xy}(38.8264, 0.5292, 0.4096)$

Have a look what the booklet for
Yxy(38.8264, 0.5292, 0.4096)
contains.

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Color

Yxy(38.9429, 0.5286, 0.4098)

Conversions

Conversions Part 1

Format	Color
Hex	FF881A
RGB	255, 136, 26
RGB Percent	100%, 53%, 10%
CMY	0.0000, 0.4666, 0.8975
CMYK	0.00, 0.47, 0.90, 0.00
HSL	29°, 100%, 55%
HSV	29°, 90%, 100%
XYZ	50.2323, 38.9429, 5.8538
YIQ	159.0410, 106.2340, -8.9820

Conversions

Conversions Part 2

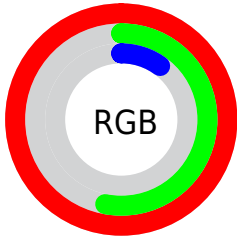
Format	Color
R _Y B	255, 238, 26
Decimal	16746522
CIE Lab	68.71, 39.12, 70.57
CIE LCh	69, 80.687, 60.996
Yxy	38.9429, 0.5286, 0.4098
Android (android.graphics.Color)	4294936602 (0xFFFF881A)
YUV	159.0410, -65.5892, 84.1560
Hunter-Lab	62.4042, 34.4763, 38.1213

Details

The Yxy color **38.9429, 0.5286, 0.4098** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **27.7305, 0.1849, 0.1791**, and the grayscale version is **34.9678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1775, 0.4475, 0.4305**, and **17.4170, 0.5586, 0.3946** is the 20% darker color. If you saturate the color by 10%, you get **35.3645, 0.5491, 0.4021**, and if you desaturate by 10%, it is **43.0827, 0.5039, 0.4124**.

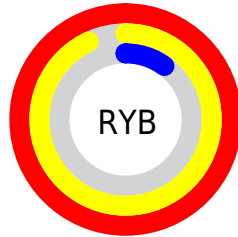
Distribution



Red (100%)

Green (53%)

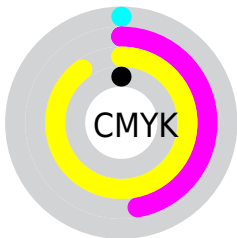
Blue (10%)



Red (100%)

Yellow (93%)

Blue (10%)

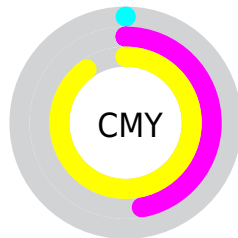


Cyan (0%)

Magenta (47%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (47%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9429, 0.5286, 0.4098 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 38.9429, 0.5286, 0.4098 by changing the saturation by 10% instead.


 38.9429, 0.5286,
0.4098

 38.9429, 0.5286,
0.4098

341.6477, 0.4263,
0.3853


 26.7153, 0.5492,
0.4096


 73.5511, 0.4946,
0.4056


 17.3595, 0.5721,
0.4060


 96.7005, 0.4808,
0.4026


 10.4912, 0.6010,
0.3990

 124.2592, 0.4687,
0.3994

 5.7258, 0.6233,
0.3767

 156.6118, 0.4581,
0.3963

 2.6791, 0.6561,
0.3439

 194.1425, 0.4487,
0.3933

 0.9666, 0.7084,
0.2916

 237.2358, 0.4404,

 0.0000, 1.0000,

0.3905

0.0000

286.2760, 0.4330,
0.3878

■ 0.0000, 0.0000,
0.0000

■ 38.9429, 0.5286,
0.4098

■ 38.9429, 0.5286,
0.4098

■ 35.3645, 0.5491,
0.4021

■ 43.0827, 0.5039,
0.4124

■ 35.2822, 0.5496,
0.4018

■ 47.8222, 0.4761,
0.4096

■ 53.1959, 0.4473,
0.4023

■ 59.2330, 0.4191,
0.3919

■ 65.9604, 0.3927,
0.3797

73.4030, 0.3687,
0.3666

81.5842, 0.3474,
0.3535

90.5260, 0.3287,
0.3407

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.



38.9429, 0.5334, 0.3335



38.9429, 0.5286, 0.4098



38.9429, 0.4612, 0.4909

Triad

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



38.9429, 0.5286, 0.4098



38.9429, 0.1749, 0.3891



38.9429, 0.2265, 0.1725

Complementary

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



38.9429, 0.5286, 0.4098



27.7305, 0.1849, 0.1791

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.



38.9429, 0.1593, 0.1657



38.9429, 0.5286, 0.4098



38.9429, 0.1327, 0.2622

Square

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



38.9429, 0.5286, 0.4098



38.9429, 0.2591, 0.5191



38.9429, 0.1294, 0.1912



38.9429, 0.3341, 0.2069

Rectangle

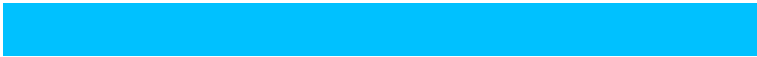
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.9429, 0.5286, 0.4098



38.9429, 0.3978, 0.5360



38.9429, 0.1294, 0.1912



38.9429, 0.1995, 0.1670

Sweetspot

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



38.9447, 0.5286, 0.4098



75.5806, 0.3626, 0.3630



24.1488, 0.4632, 0.2381



15.6011, 0.3702, 0.3675



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.



38.9447, 0.5286, 0.4098



35.2822, 0.5496, 0.4018



88.0838, 0.4228, 0.4978



19.4260, 0.3282, 0.3404



18.7309, 0.5469, 0.4039



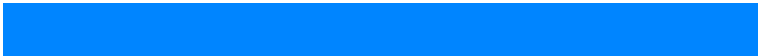
2.0411, 0.5286, 0.4185

Inverse Universe

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



27.7305, 0.1849, 0.1791



23.8806, 0.1781, 0.1613



8.5716, 0.1550, 0.0698



18.9403, 0.2979, 0.3173



12.7791, 0.1789, 0.1641



1.4631, 0.1845, 0.1841

Previews

White Background



This preview shows how the Yxy color 38.9429, 0.5286, 0.4098 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 38.9429, 0.5286, 0.4098 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 38.9429, 0.5286, 0.4098

Background



This preview shows how black text looks on a background with the Yxy color 38.9429, 0.5286, 0.4098.



This preview shows how white text looks on a background with the Yxy color 38.9429, 0.5286, 0.4098.

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

38.9429, 0.5286, 0.4098

Protanopia

38.9454, 0.4331, 0.4779

Deuteranopia

38.7933, 0.4723, 0.4632



Tritanopia

39.0602, 0.4425, 0.3212

Trichromacy



Original Color

38.9429, 0.5286, 0.4098

Protanomaly

38.0274, 0.4700, 0.4514

Deuteranomaly

38.6491, 0.4942, 0.4430

Tritanomaly

38.6256, 0.4858, 0.3633

Monochromacy



Original Color

38.9429, 0.5286, 0.4098

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.7502, 0.3986, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9429, 0.5286, 0.4098 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, 136, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 26)  
}
```

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, 136, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 26) }
```

Border

The CSS property to change the border of an element to Yxy 38.9429, 0.5286, 0.4098 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, 136, 26) }
```

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

```
.border{ border-color:rgb(255, 136, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9429, 0.5286, 0.4098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 26) }
```

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

```
.background{ background-color: rgb(255,  
136, 26) }
```

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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