

Converting Colors

$Y_{xy}(39.2656, 0.5263, 0.4098)$

Have a look what the booklet for
Yxy(39.2656, 0.5263, 0.4098)
contains.

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Color

Yxy(39.2451, 0.5262, 0.4096)

Conversions

Conversions Part 1

Format	Color
Hex	FF891E
RGB	255, 137, 30
RGB Percent	100%, 54%, 12%
CMY	0.0001, 0.4627, 0.8820
CMYK	0.00, 0.46, 0.88, 0.00
HSL	29°, 100%, 56%
HSV	29°, 88%, 100%
XYZ	50.4169, 39.2451, 6.1512
YIQ	160.0840, 104.6750, -8.2610

Conversions

Conversions Part 2

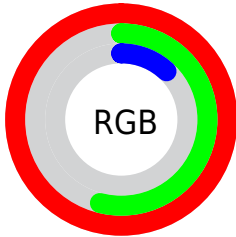
Format	Color
R_{YB}	255, 234, 30
Decimal	16746782
CIE _{Lab}	68.93, 38.68, 69.69
CIE _{LCh}	69, 79.700, 60.970
Yxy	39.2451, 0.5262, 0.4096
Android (android.graphics.Color)	4294936862 (0xFFFF891E)
YUV	160.0840, -64.1314, 83.2413
Hunter-Lab	62.6459, 34.0250, 38.0304

Details

The Yxy color **39.2451, 0.5262, 0.4096** 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 **28.6917, 0.1865, 0.1834**, and the grayscale version is **35.4663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6639, 0.4450, 0.4292**, and **17.5734, 0.5571, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **35.5928, 0.5474, 0.4023**, and if you desaturate by 10%, it is **43.4762, 0.5007, 0.4114**.

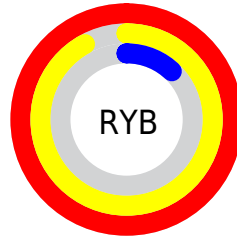
Distribution



Red (100%)

Green (54%)

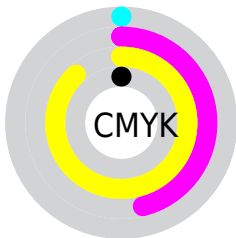
Blue (12%)



Red (100%)

Yellow (92%)

Blue (12%)

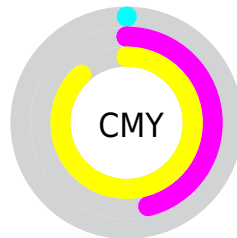


Cyan (0%)

Magenta (46%)

Yellow (88%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.2451, 0.5262, 0.4096 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 39.2451, 0.5262, 0.4096 by changing the saturation by 10% instead.


 39.2451, 0.5262,
0.4096


 39.2451, 0.5262,
0.4096


342.9314, 0.4249,
0.3847

 26.9505, 0.5467,
0.4097


 74.0126, 0.4924,
0.4051


 17.5360, 0.5697,
0.4065


 97.2542, 0.4787,
0.4020


 10.6174, 0.5994,
0.4006


 124.9137, 0.4668,
0.3988

 5.8102, 0.6214,
0.3786

 157.3753, 0.4562,
0.3957

 2.7300, 0.6536,
0.3464

 195.0235, 0.4470,
0.3927

 0.9925, 0.7051,
0.2949

 238.2426, 0.4387,

 0.0000, 1.0000,

0.3899

0.0000

287.4171, 0.4314,
0.3872

■ 0.0000, 0.0000,
0.0000

■ 39.2451, 0.5262,
0.4096

■ 39.2451, 0.5262,
0.4096

■ 35.5928, 0.5474,
0.4023

■ 43.4762, 0.5007,
0.4114

■ 34.9897, 0.5509,
0.4008

■ 48.3195, 0.4724,
0.4079


■ 53.8095, 0.4434,
0.4002

■ 59.9756, 0.4152,
0.3895

■ 66.8444, 0.3890,
0.3772

 74.4412, 0.3653,
0.3642

 82.7894, 0.3444,
0.3512

 91.9113, 0.3260,
0.3387

99.9971, 0.3127,
0.3290

Harmonies

Analogous

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



39.2451, 0.5304, 0.3339



39.2451, 0.5262, 0.4096



39.2451, 0.4601, 0.4895

Triad

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



39.2451, 0.5262, 0.4096



39.2451, 0.1768, 0.3885



39.2451, 0.2276, 0.1741

Complementary

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



39.2451, 0.5262, 0.4096



28.6917, 0.1865, 0.1834

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.



39.2451, 0.1610, 0.1675



39.2451, 0.5262, 0.4096



39.2451, 0.1347, 0.2635

Square

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



39.2451, 0.5262, 0.4096



39.2451, 0.2602, 0.5159



39.2451, 0.1312, 0.1930



39.2451, 0.3338, 0.2082

Rectangle

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



39.2451, 0.5262, 0.4096



39.2451, 0.3975, 0.5334



39.2451, 0.1312, 0.1930



39.2451, 0.2009, 0.1687

Sweetspot

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



39.2472, 0.5262, 0.4096



76.2250, 0.3605, 0.3613



24.3928, 0.4597, 0.2375



15.7218, 0.3682, 0.3659



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.



39.2472, 0.5262, 0.4096



34.9944, 0.5509, 0.4008



88.1717, 0.4222, 0.4971



19.4117, 0.3282, 0.3403



18.5797, 0.5483, 0.4029



2.0260, 0.5298, 0.4176

Inverse Universe

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



28.6917, 0.1865, 0.1834



24.2025, 0.1786, 0.1628



8.8557, 0.1561, 0.0718



18.9547, 0.2979, 0.3174



12.9477, 0.1794, 0.1657



1.4796, 0.1849, 0.1855

Previews

White Background



This preview shows how the Yxy color 39.2451, 0.5262, 0.4096 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 39.2451, 0.5262, 0.4096 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 39.2451, 0.5262, 0.4096

Background



This preview shows how black text looks on a background with the Yxy color 39.2451, 0.5262, 0.4096.



This preview shows how white text looks on a background with the Yxy color 39.2451, 0.5262, 0.4096.

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

39.2451, 0.5262, 0.4096

Protanopia

39.4630, 0.4320, 0.4766

Deuteranopia

39.2921, 0.4717, 0.4631



Tritanopia

39.3567, 0.4408, 0.3212

Trichromacy



Original Color

39.2451, 0.5262, 0.4096

Protanomaly

38.5314, 0.4687, 0.4505

Deuteranomaly

38.9770, 0.4927, 0.4436

Tritanomaly

38.9359, 0.4830, 0.3625

Monochromacy



Original Color

39.2451, 0.5262, 0.4096

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.2508, 0.3971, 0.3813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2451, 0.5262, 0.4096 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, 137, 30)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 30)  
}
```

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, 137, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 30) }
```

Border

The CSS property to change the border of an element to Yxy 39.2451, 0.5262, 0.4096 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, 137, 30) }
```

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

```
.border{ border-color:rgb(255, 137, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 30);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2451, 0.5262, 0.4096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 30) }
```

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

```
.background{ background-color: rgb(255,  
137, 30) }
```

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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