

Converting Colors

$Y_{xy}(41.4237, 0.5276, 0.3963)$

Have a look what the booklet for
Yxy(41.4237, 0.5276, 0.3963)
contains.

Yxy(39.0901, 0.5191, 0.4010)	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>	30

Color

Yxy(39.0901, 0.5191, 0.4010)

Conversions

Conversions Part 1

Format	Color
Hex	FF8831
RGB	255, 136, 49
RGB Percent	100%, 53%, 19%
CMY	0.0000, 0.4667, 0.8077
CMYK	0.00, 0.47, 0.81, 0.00
HSL	25°, 100%, 60%
HSV	25°, 81%, 100%
XYZ	50.6027, 39.0901, 7.7888
YIQ	161.6630, 98.8510, -1.8290

Conversions

Conversions Part 2

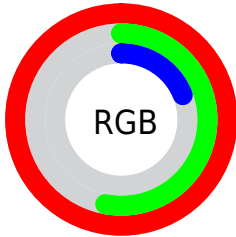
Format	Color
R _Y B	255, 200, 49
Decimal	16746545
CIE Lab	68.82, 39.65, 63.21
CIE LCh	69, 74.621, 57.899
Yxy	39.0901, 0.5191, 0.4010
Android (android.graphics.Color)	4294936625 (0xFFFF8831)
YUV	161.6630, -55.5429, 81.8565
Hunter-Lab	62.5221, 35.0566, 36.3793

Details

The Yxy color **39.0901, 0.5191, 0.4010** 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 **35.8976, 0.1972, 0.2124**, and the grayscale version is **36.1969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4809, 0.4369, 0.4174**, and **17.5471, 0.5594, 0.3941** is the 20% darker color. If you saturate the color by 10%, you get **35.0631, 0.5461, 0.3967**, and if you desaturate by 10%, it is **43.8091, 0.4886, 0.3999**.

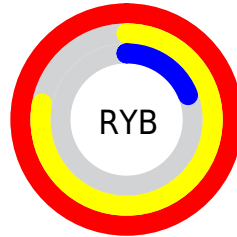
Distribution



Red (100%)

Green (53%)

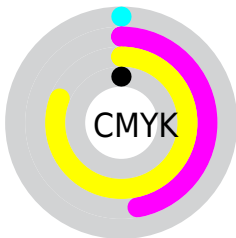
Blue (19%)



Red (100%)

Yellow (78%)

Blue (19%)

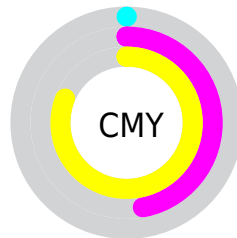


Cyan (0%)

Magenta (47%)

Yellow (81%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0901, 0.5191, 0.4010 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 39.0901, 0.5191, 0.4010 by changing the saturation by 10% instead.

 39.0901, 0.5191,
0.4010


 39.0901, 0.5191,
0.4010


342.2734, 0.4190,
0.3779


 26.8298, 0.5405,
0.4015


 73.7759, 0.4849,
0.3964


 17.4455, 0.5651,
0.3993


 96.9703, 0.4713,
0.3935


 10.5526, 0.5964,
0.3939


 124.5781, 0.4596,
0.3906

 5.7669, 0.6246,
0.3754

 156.9839, 0.4493,
0.3878

 2.7038, 0.6576,
0.3424

 194.5718, 0.4403,
0.3851

 0.9791, 0.7100,
0.2900

 237.7265, 0.4323,

 0.0000, 1.0000,

0.3825

0.0000

286.8322, 0.4253,
0.3802

■ 0.0000, 0.0000,
0.0000

■ 39.0901, 0.5191,
0.4010

■ 39.0901, 0.5191,
0.4010

■ 35.0631, 0.5461,
0.3967

■ 43.8091, 0.4886,
0.3999

■ 31.9132, 0.5666,
0.3883

■ 49.2600, 0.4570,
0.3944

■ 55.4784, 0.4263,
0.3856

■ 62.4971, 0.3979,
0.3749

■ 70.3464, 0.3724,
0.3634

79.0550, 0.3500,
0.3518

88.6500, 0.3306,
0.3405

99.1572, 0.3139,
0.3298

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.



39.0901, 0.5136, 0.3286



39.0901, 0.5191, 0.4010



39.0901, 0.4628, 0.4762

Triad

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



39.0901, 0.5191, 0.4010



39.0901, 0.1911, 0.3987



39.0901, 0.2241, 0.1793

Complementary

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



39.0901, 0.5191, 0.4010



35.8976, 0.1972, 0.2124

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.



39.0901, 0.1637, 0.1761



39.0901, 0.5191, 0.4010



39.0901, 0.1456, 0.2783

Square

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



39.0901, 0.5191, 0.4010



39.0901, 0.2745, 0.5104



39.0901, 0.1382, 0.2052



39.0901, 0.3215, 0.2096

Rectangle

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



39.0901, 0.5191, 0.4010



39.0901, 0.4053, 0.5179



39.0901, 0.1382, 0.2052



39.0901, 0.1998, 0.1751

Sweetspot

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



39.0900, 0.5191, 0.4010



76.1426, 0.3570, 0.3555



26.3322, 0.4271, 0.2271



15.6337, 0.3649, 0.3597



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.



39.0900, 0.5191, 0.4010



32.8824, 0.5602, 0.3912



82.5365, 0.4257, 0.4858



19.2475, 0.3284, 0.3391



16.9556, 0.5637, 0.3906



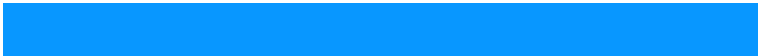
1.8616, 0.5435, 0.4066

Inverse Universe

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



35.8976, 0.1972, 0.2124



29.2649, 0.1855, 0.1862



11.7952, 0.1652, 0.0916



19.1211, 0.2979, 0.3187



15.0341, 0.1845, 0.1842



1.6802, 0.1895, 0.2022

Previews

White Background



This preview shows how the Yxy color 39.0901, 0.5191, 0.4010 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 39.0901, 0.5191, 0.4010 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 39.0901, 0.5191, 0.4010

Background



This preview shows how black text looks on a background with the Yxy color 39.0901, 0.5191, 0.4010.



This preview shows how white text looks on a background with the Yxy color 39.0901, 0.5191, 0.4010.

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

39.0901, 0.5191, 0.4010

Protanopia

39.3728, 0.4210, 0.4644

Deuteranopia

39.2919, 0.4616, 0.4523



Tritanopia

39.0602, 0.4425, 0.3212

Trichromacy



Original Color

39.0901, 0.5191, 0.4010

Protanomaly

38.3868, 0.4575, 0.4402

Deuteranomaly

38.8016, 0.4845, 0.4322

Tritanomaly

38.8031, 0.4767, 0.3551

Monochromacy



Original Color

39.0901, 0.5191, 0.4010

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.8987, 0.3895, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0901, 0.5191, 0.4010 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 49) }
```

Border

The CSS property to change the border of an element to Yxy 39.0901, 0.5191, 0.4010 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, 49) }
```

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

```
.border{ border-color:rgb(255, 136, 49) }
```

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, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 49);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0901, 0.5191, 0.4010 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, 49) }
```

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

```
.background{ background-color: rgb(255,  
136, 49) }
```

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