

Converting Colors

$Y_{xy}(39.9479, 0.5209, 0.4092)$

Have a look what the booklet for
Yxy(39.9479, 0.5209, 0.4092)
contains.

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Color

Yxy(39.8652, 0.5211, 0.4087)

Conversions

Conversions Part 1

Format	Color
Hex	FF8B26
RGB	255, 139, 38
RGB Percent	100%, 55%, 15%
CMY	0.0000, 0.4549, 0.8511
CMYK	0.00, 0.45, 0.85, 0.00
HSL	28°, 100%, 57%
HSV	28°, 85%, 100%
XYZ	50.8289, 39.8652, 6.8474
YIQ	162.1700, 101.5570, -6.8190

Conversions

Conversions Part 2

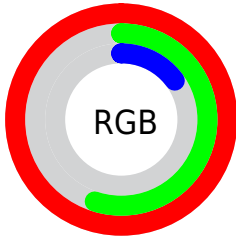
Format	Color
R _Y B	255, 227, 38
Decimal	16747302
CIE Lab	69.37, 37.86, 67.66
CIE LCh	69, 77.532, 60.773
Yxy	39.8652, 0.5211, 0.4087
Android (android.graphics.Color)	4294937382 (0xFFFF8B26)
YUV	162.1700, -61.2158, 81.4119
Hunter-Lab	63.1389, 33.2052, 37.7672

Details

The Yxy color **39.8652, 0.5211, 0.4087** 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 **30.7385, 0.1899, 0.1920**, and the grayscale version is **36.4682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6517, 0.4399, 0.4265**, and **17.8928, 0.5541, 0.3983** is the 20% darker color. If you saturate the color by 10%, you get **36.0467, 0.5441, 0.4028**, and if you desaturate by 10%, it is **44.2836, 0.4940, 0.4090**.

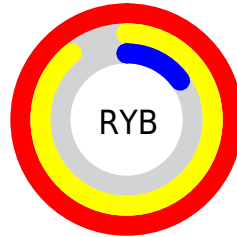
Distribution



Red (100%)

Green (55%)

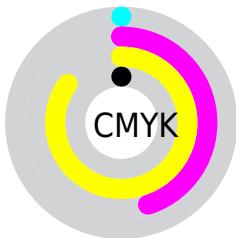
Blue (15%)



Red (100%)

Yellow (89%)

Blue (15%)

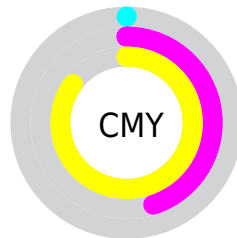


Cyan (0%)

Magenta (45%)

Yellow (85%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8652, 0.5211, 0.4087 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 39.8652, 0.5211, 0.4087 by changing the saturation by 10% instead.


 39.8652, 0.5211,
0.4087


 39.8652, 0.5211,
0.4087


345.5551, 0.4217,
0.3832

 27.4335, 0.5416,
0.4094


 74.9582, 0.4878,
0.4036

 17.8990, 0.5647,
0.4070


 98.3883, 0.4743,
0.4004

 10.8775, 0.5961,
0.4033


 126.2532, 0.4626,
0.3972

 5.9845, 0.6178,
0.3822

 158.9374, 0.4523,
0.3941

 2.8357, 0.6490,
0.3510

 196.8253, 0.4432,
0.3911

 1.0466, 0.6987,
0.3013

 240.3013, 0.4352,

 0.0000, 1.0000,

0.3883

0.0000

289.7498, 0.4281,
0.3856

■ 0.0000, 0.0000,
0.0000

■ 39.8652, 0.5211,
0.4087

■ 39.8652, 0.5211,
0.4087

■ 36.0467, 0.5441,
0.4028

■ 44.2836, 0.4940,
0.4090

■ 34.3802, 0.5539,
0.3984

■ 49.3459, 0.4648,
0.4043

■ 55.0820, 0.4354,
0.3957

■ 61.5214, 0.4074,
0.3847

■ 68.6910, 0.3817,
0.3723

76.6164, 0.3587,
0.3595

85.3214, 0.3385,
0.3469

94.8288, 0.3208,
0.3349

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.



39.8652, 0.5236, 0.3344



39.8652, 0.5211, 0.4087



39.8652, 0.4579, 0.4859

Triad

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



39.8652, 0.5211, 0.4087



39.8652, 0.1812, 0.3877



39.8652, 0.2295, 0.1776

Complementary

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



39.8652, 0.5211, 0.4087



30.7385, 0.1899, 0.1920

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.



39.8652, 0.1643, 0.1714



39.8652, 0.5211, 0.4087



39.8652, 0.1392, 0.2667

Square

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



39.8652, 0.5211, 0.4087



39.8652, 0.2632, 0.5094



39.8652, 0.1353, 0.1971



39.8652, 0.3327, 0.2109

Rectangle

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



39.8652, 0.5211, 0.4087



39.8652, 0.3973, 0.5276



39.8652, 0.1353, 0.1971



39.8652, 0.2034, 0.1724

Sweetspot

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



39.8629, 0.5211, 0.4087



75.8766, 0.3607, 0.3607



25.0909, 0.4470, 0.2334



15.6396, 0.3684, 0.3651



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.



39.8629, 0.5211, 0.4087



34.3802, 0.5539, 0.3984



86.1909, 0.4234, 0.4932



19.3808, 0.3283, 0.3401



18.2566, 0.5512, 0.4005



1.9937, 0.5323, 0.4155

Inverse Universe

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



30.7385, 0.1899, 0.1920



24.9155, 0.1795, 0.1663



9.8141, 0.1593, 0.0784



18.9859, 0.2979, 0.3177



13.3210, 0.1803, 0.1691



1.5158, 0.1857, 0.1886

Previews

White Background



This preview shows how the Yxy color 39.8652, 0.5211, 0.4087 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 39.8652, 0.5211, 0.4087 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 39.8652, 0.5211, 0.4087

Background



This preview shows how black text looks on a background with the Yxy color 39.8652, 0.5211, 0.4087.



This preview shows how white text looks on a background with the Yxy color 39.8652, 0.5211, 0.4087.

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

39.8652, 0.5211, 0.4087

Protanopia

40.0231, 0.4288, 0.4721

Deuteranopia

39.8561, 0.4674, 0.4582



Tritanopia

39.9581, 0.4375, 0.3211

Trichromacy



Original Color

39.8652, 0.5211, 0.4087

Protanomaly

39.2668, 0.4633, 0.4485

Deuteranomaly

39.5342, 0.4881, 0.4392

Tritanomaly

39.5874, 0.4765, 0.3600

Monochromacy



Original Color

39.8652, 0.5211, 0.4087

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.1313, 0.3930, 0.3784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8652, 0.5211, 0.4087 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, 139, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 38)  
}
```

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, 139, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 38) }
```

Border

The CSS property to change the border of an element to Yxy 39.8652, 0.5211, 0.4087 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, 139, 38) }
```

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

```
.border{ border-color:rgb(255, 139, 38) }
```

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

Here you see how a box with a 4 pixel rgb(255, 139, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 38);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8652, 0.5211, 0.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 38) }
```

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

```
.background{ background-color: rgb(255,  
139, 38) }
```

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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