

Converting Colors

$Y_{xy}(40.1127, 0.5200, 0.4094)$

Have a look what the booklet for
Yxy(40.1127, 0.5200, 0.4094)
contains.

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Color

Yxy(40.1561, 0.5200, 0.4097)

Conversions

Conversions Part 1

Format	Color
Hex	FF8C26
RGB	255, 140, 38
RGB Percent	100%, 55%, 15%
CMY	0.0000, 0.4509, 0.8513
CMYK	0.00, 0.45, 0.85, 0.00
HSL	28°, 100%, 57%
HSV	28°, 85%, 100%
XYZ	50.9670, 40.1561, 6.8903
YIQ	162.7570, 101.2820, -7.3420

Conversions

Conversions Part 2

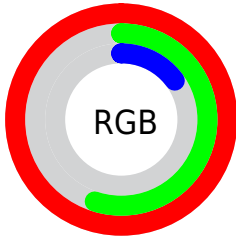
Format	Color
R _Y B	255, 230, 38
Decimal	16747558
CIE Lab	69.58, 37.33, 67.85
CIE LCh	70, 77.444, 61.182
Yxy	40.1561, 0.5200, 0.4097
Android (android.graphics.Color)	4294937638 (0xFFFF8C26)
YUV	162.7570, -61.5052, 80.8971
Hunter-Lab	63.3688, 32.6705, 37.9114

Details

The Yxy color **40.1561, 0.5200, 0.4097** 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 **30.3800, 0.1895, 0.1905**, and the grayscale version is **36.7622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0984, 0.4391, 0.4274**, and **18.0558, 0.5526, 0.3995** is the 20% darker color. If you saturate the color by 10%, you get **36.3380, 0.5428, 0.4039**, and if you desaturate by 10%, it is **44.5753, 0.4931, 0.4099**.

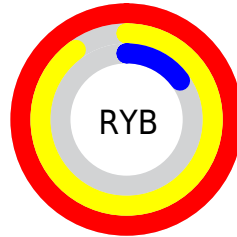
Distribution



Red (100%)

Green (55%)

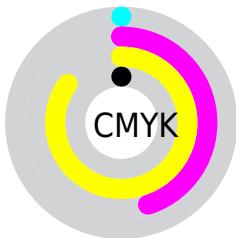
Blue (15%)



Red (100%)

Yellow (90%)

Blue (15%)

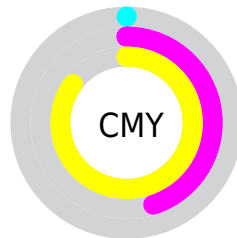


Cyan (0%)

Magenta (45%)

Yellow (85%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1561, 0.5200, 0.4097 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 40.1561, 0.5200, 0.4097 by changing the saturation by 10% instead.

 40.1561, 0.5200,
0.4097


 40.1561, 0.5200,
0.4097


346.7811, 0.4213,
0.3836


 27.6603, 0.5403,
0.4105


 75.4012, 0.4869,
0.4044

 18.0697, 0.5632,
0.4084


 98.9192, 0.4736,
0.4011

 11.0001, 0.5942,
0.4048


 126.8801, 0.4619,
0.3979

 6.0669, 0.6156,
0.3844

 159.6682, 0.4517,
0.3947

 2.8858, 0.6463,
0.3537

 197.6680, 0.4427,
0.3916

 1.0724, 0.6951,
0.3049

 241.2638, 0.4347,

 0.0000, 1.0000,

0.3888

0.0000

290.8400, 0.4276,
0.3861

■ 0.0000, 0.0000,
0.0000

■ 40.1561, 0.5200,
0.4097

■ 40.1561, 0.5200,
0.4097

■ 36.3380, 0.5428,
0.4039

■ 44.5753, 0.4931,
0.4099

■ 34.6759, 0.5525,
0.3995


■ 49.6258, 0.4642,
0.4051

■ 55.3414, 0.4350,
0.3964

■ 61.7511, 0.4072,
0.3853

■ 68.8815, 0.3816,
0.3728

 76.7578, 0.3587,
0.3599

 85.4034, 0.3385,
0.3472

 94.8406, 0.3208,
0.3350

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.



40.1561, 0.5234, 0.3355



40.1561, 0.5200, 0.4097



40.1561, 0.4565, 0.4866

Triad

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



40.1561, 0.5200, 0.4097



40.1561, 0.1808, 0.3856



40.1561, 0.2310, 0.1783

Complementary

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



40.1561, 0.5200, 0.4097



30.3800, 0.1895, 0.1905

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.



40.1561, 0.1654, 0.1717



40.1561, 0.5200, 0.4097



40.1561, 0.1394, 0.2656

Square

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



40.1561, 0.5200, 0.4097



40.1561, 0.2621, 0.5075



40.1561, 0.1359, 0.1969



40.1561, 0.3342, 0.2119

Rectangle

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



40.1561, 0.5200, 0.4097



40.1561, 0.3958, 0.5277



40.1561, 0.1359, 0.1969



40.1561, 0.2047, 0.1730

Sweetspot

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



40.1582, 0.5200, 0.4097



76.0454, 0.3606, 0.3610



24.9632, 0.4527, 0.2368



15.6794, 0.3683, 0.3655



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.



40.1582, 0.5200, 0.4097



34.6759, 0.5525, 0.3995



88.3889, 0.4209, 0.4954



19.3958, 0.3282, 0.3402



18.4122, 0.5498, 0.4017



2.0093, 0.5311, 0.4165

Inverse Universe

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



30.3800, 0.1895, 0.1905



24.5677, 0.1791, 0.1646



9.5182, 0.1587, 0.0763



18.9707, 0.2979, 0.3175



13.1389, 0.1798, 0.1674



1.4981, 0.1853, 0.1871

Previews

White Background



This preview shows how the Yxy color 40.1561, 0.5200, 0.4097 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 40.1561, 0.5200, 0.4097 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 40.1561, 0.5200, 0.4097

Background



This preview shows how black text looks on a background with the Yxy color 40.1561, 0.5200, 0.4097.



This preview shows how white text looks on a background with the Yxy color 40.1561, 0.5200, 0.4097.

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

40.1561, 0.5200, 0.4097

Protanopia

40.3994, 0.4279, 0.4731

Deuteranopia

40.3579, 0.4672, 0.4585



Tritanopia

40.2632, 0.4358, 0.3211

Trichromacy



Original Color

40.1561, 0.5200, 0.4097

Protanomaly

39.6122, 0.4622, 0.4494

Deuteranomaly

40.0279, 0.4878, 0.4396

Tritanomaly

39.8678, 0.4758, 0.3610

Monochromacy



Original Color

40.1561, 0.5200, 0.4097

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.4865, 0.3915, 0.3784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1561, 0.5200, 0.4097 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, 140, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 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, 140, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 38) }
```

Border

The CSS property to change the border of an element to Yxy 40.1561, 0.5200, 0.4097 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, 140, 38) }
```

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

```
.border{ border-color:rgb(255, 140, 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, 140, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 38);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1561, 0.5200, 0.4097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 38) }
```

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

```
.background{ background-color: rgb(255,  
140, 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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