

Converting Colors

$Y_{xy}(38.1469, 0.5341, 0.4094)$

Have a look what the booklet for
Yxy(38.1469, 0.5341, 0.4094)
contains.

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Color

Yxy(38.0755, 0.5344, 0.4091)

Conversions

Conversions Part 1

Format	Color
Hex	FF8511
RGB	255, 133, 17
RGB Percent	100%, 52%, 7%
CMY	0.0000, 0.4785, 0.9333
CMYK	0.00, 0.48, 0.93, 0.00
HSL	29°, 100%, 53%
HSV	29°, 93%, 100%
XYZ	49.7373, 38.0755, 5.2585
YIQ	156.2540, 109.9480, -10.2120

Conversions

Conversions Part 2

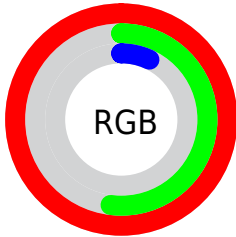
Format	Color
R_{YB}	255, 243, 17
Decimal	16745745
CIE _{Lab}	68.08, 40.52, 72.13
CIE _{LCh}	68, 82.729, 60.672
Yxy	38.0755, 0.5344, 0.4091
Android (android.graphics.Color)	4294935825 (0xFFFF8511)
YUV	156.2540, -68.6522, 86.6002
Hunter-Lab	61.7053, 35.8948, 38.1410

Details

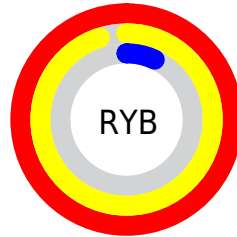
The Yxy color **38.0755, 0.5344, 0.4091** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **25.8132, 0.1817, 0.1704**, and the grayscale version is **33.6377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3798, 0.4535, 0.4304**, and **16.9612, 0.5632, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **35.7411, 0.5474, 0.4036**, and if you desaturate by 10%, it is **42.0071, 0.5115, 0.4136**.

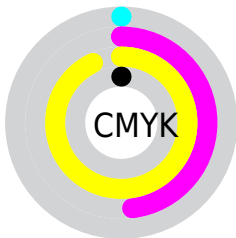
Distribution



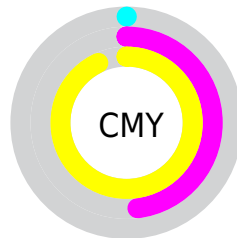
- Red (100%)
- Green (52%)
- Blue (7%)



- Red (100%)
- Yellow (95%)
- Blue (7%)



- Cyan (0%)
- Magenta (48%)
- Yellow (93%)
- Black (0%)





- Cyan (0%)
- Magenta (48%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0755, 0.5344, 0.4091 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 38.0755, 0.5344, 0.4091 by changing the saturation by 10% instead.

 38.0755, 0.5344,
0.4091


 38.0755, 0.5344,
0.4091


337.9437, 0.4297,
0.3861

 26.0413, 0.5552,
0.4082


 72.2238, 0.4998,
0.4057


 16.8545, 0.5784,
0.4036


 95.1068, 0.4857,
0.4029


 10.1308, 0.6059,
0.3941

 122.3747, 0.4732,
0.3999

 5.4858, 0.6293,
0.3707

 154.4121, 0.4623,
0.3969

 2.5350, 0.6638,
0.3362

 191.6033, 0.4527,
0.3940

 0.8941, 0.7187,
0.2813

 234.3327, 0.4441,

 0.0000, 1.0000,

0.3912

0.0000

282.9847, 0.4365,
0.3885

0.0000, 0.0000,
0.0000

38.0755, 0.5344,
0.4091

38.0755, 0.5344,
0.4091

35.7411, 0.5474,
0.4036


42.0071, 0.5115,
0.4136

46.5198, 0.4850,
0.4124

51.6436, 0.4567,
0.4064


57.4080, 0.4284,
0.3969

63.8401, 0.4015,
0.3850

 70.9648, 0.3768,
0.3719

 78.8055, 0.3546,
0.3586

 87.3841, 0.3350,
0.3455

 96.7216, 0.3179,
0.3330

Harmonies

Analogous

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



38.0755, 0.5397, 0.3316



38.0755, 0.5344, 0.4091



38.0755, 0.4647, 0.4928

Triad

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



38.0755, 0.5344, 0.4091



38.0755, 0.1715, 0.3925



38.0755, 0.2230, 0.1686

Complementary

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



38.0755, 0.5344, 0.4091



25.8132, 0.1817, 0.1704

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.



38.0755, 0.1551, 0.1619



38.0755, 0.5344, 0.4091



38.0755, 0.1286, 0.2606

Square

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



38.0755, 0.5344, 0.4091



38.0755, 0.2577, 0.5275



38.0755, 0.1251, 0.1879



38.0755, 0.3331, 0.2033

Rectangle

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



38.0755, 0.5344, 0.4091



38.0755, 0.3995, 0.5409



38.0755, 0.1251, 0.1879



38.0755, 0.1957, 0.1631

Sweetspot

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



38.0718, 0.5344, 0.4091



75.0510, 0.3647, 0.3648



23.5541, 0.4778, 0.2437



15.3521, 0.3744, 0.3706



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.



38.0718, 0.5344, 0.4091



35.7411, 0.5474, 0.4036



90.3159, 0.4211, 0.5014



19.4483, 0.3282, 0.3406



18.9720, 0.5448, 0.4056



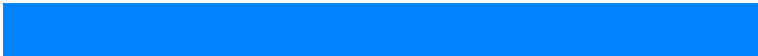
2.0650, 0.5267, 0.4200

Inverse Universe

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



25.8132, 0.1817, 0.1704



23.3823, 0.1775, 0.1588



7.8750, 0.1526, 0.0648



18.9179, 0.2979, 0.3171



12.5180, 0.1782, 0.1616



1.4376, 0.1839, 0.1819

Previews

White Background



This preview shows how the Yxy color 38.0755, 0.5344, 0.4091 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 38.0755, 0.5344, 0.4091 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 38.0755, 0.5344, 0.4091

Background



This preview shows how black text looks on a background with the Yxy color 38.0755, 0.5344, 0.4091.



This preview shows how white text looks on a background with the Yxy color 38.0755, 0.5344, 0.4091.

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

38.0755, 0.5344, 0.4091

Protanopia

38.2861, 0.4344, 0.4817

Deuteranopia

38.1554, 0.4716, 0.4637



Tritanopia

38.1880, 0.4475, 0.3212

Trichromacy



Original Color

38.0755, 0.5344, 0.4091

Protanomaly

37.5057, 0.4727, 0.4541

Deuteranomaly

37.6768, 0.4956, 0.4430

Tritanomaly

37.7332, 0.4931, 0.3647

Monochromacy



Original Color

38.0755, 0.5344, 0.4091

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.4062, 0.4043, 0.3873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0755, 0.5344, 0.4091 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, 133, 17)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 17)  
}
```

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, 133, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 17) }
```

Border

The CSS property to change the border of an element to Yxy 38.0755, 0.5344, 0.4091 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, 133, 17) }
```

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

```
.border{ border-color:rgb(255, 133, 17) }
```

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

Here you see how a box with a 4 pixel rgb(255, 133, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 17);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0755, 0.5344, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 17) }
```

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

```
.background{ background-color: rgb(255,  
133, 17) }
```

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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