

Converting Colors

Yxy(52.9756, 0.5158, 0.3961)

Have a look what the booklet for
Yxy(52.9756, 0.5158, 0.3961)
contains.

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Color

Yxy(45.4303, 0.4892, 0.4107)

Conversions

Conversions Part 1

Format	Color
Hex	FF9C42
RGB	255, 156, 66
RGB Percent	100%, 61%, 26%
CMY	0.0000, 0.3882, 0.7411
CMYK	0.00, 0.39, 0.74, 0.00
HSL	29°, 100%, 63%
HSV	29°, 74%, 100%
XYZ	54.1137, 45.4303, 11.0727
YIQ	175.3410, 87.8940, -7.0020

Conversions

Conversions Part 2

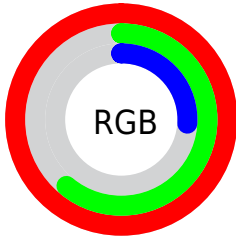
Format	Color
R_{YB}	255, 238, 66
Decimal	16751682
CIE _{Lab}	73.17, 30.03, 60.40
CIE _{LCh}	73, 67.452, 63.559
Yxy	45.4303, 0.4892, 0.4107
Android (android.graphics.Color)	4294941762 (0xFFFF9C42)
YUV	175.3410, -53.9051, 69.8609
Hunter-Lab	67.4020, 25.3553, 37.4413

Details

The Yxy color **45.4303, 0.4892, 0.4107** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **35.2925, 0.2001, 0.2092**, and the grayscale version is **43.3078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1804, 0.4131, 0.4211**, and **21.2447, 0.5289, 0.4168** is the 20% darker color. If you saturate the color by 10%, you get **40.9556, 0.5160, 0.4112**, and if you desaturate by 10%, it is **50.5348, 0.4604, 0.4053**.

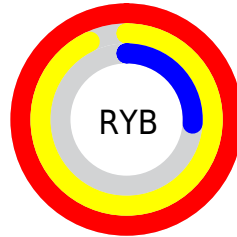
Distribution



Red (100%)

Green (61%)

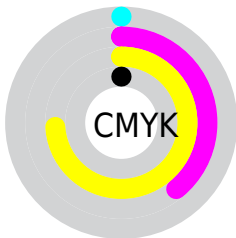
Blue (26%)



Red (100%)

Yellow (93%)

Blue (26%)

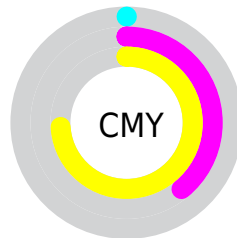


Cyan (0%)

Magenta (39%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (39%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4303, 0.4892, 0.4107 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 45.4303, 0.4892, 0.4107 by changing the saturation by 10% instead.


 45.4303, 0.4892,
0.4107

 45.4303, 0.4892,
0.4107

368.5135, 0.4048,
0.3798

 31.7965, 0.5073,
0.4144


 83.3657, 0.4604,
0.4024

 21.2061, 0.5285,
0.4169


 108.4362, 0.4490,
0.3983


 13.2747, 0.5528,
0.4164

 138.0876, 0.4391,
0.3946

 7.6180, 0.5858,
0.4142

 172.7044, 0.4304,
0.3911

 3.8515, 0.6083,
0.3917

 212.6710, 0.4228,
0.3879

 1.5908, 0.6438,
0.3562

258.3718, 0.4161,

 0.3514, 0.7558,

0.3850

0.2442

310.1912, 0.4102,
0.3823

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.4303, 0.4892,
0.4107

45.4303, 0.4892,
0.4107

40.9556, 0.5160,
0.4112

50.5348, 0.4604,
0.4053

37.0712, 0.5390,
0.4060

56.2958, 0.4316,
0.3962

35.0380, 0.5507,
0.4009

62.7428, 0.4042,
0.3847

69.9019, 0.3790,
0.3720

77.7973, 0.3564,
0.3589

86.4521, 0.3365,
0.3461

95.8880, 0.3192,
0.3338

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.



45.4303, 0.4928, 0.3443



45.4303, 0.4892, 0.4107



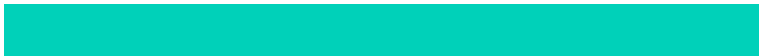
45.4303, 0.4352, 0.4732

Triad

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



45.4303, 0.4892, 0.4107



45.4303, 0.1966, 0.3685



45.4303, 0.2496, 0.1989

Complementary

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



45.4303, 0.4892, 0.4107



35.2925, 0.2001, 0.2092

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.



45.4303, 0.1881, 0.1916



45.4303, 0.4892, 0.4107



45.4303, 0.1607, 0.2717

Square

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



45.4303, 0.4892, 0.4107



45.4303, 0.2664, 0.4681



45.4303, 0.1589, 0.2134



45.4303, 0.3399, 0.2308

Rectangle

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



45.4303, 0.4892, 0.4107



45.4303, 0.3827, 0.5008



45.4303, 0.1589, 0.2134



45.4303, 0.2255, 0.1936

Sweetspot

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



45.4317, 0.4892, 0.4107



79.5615, 0.3520, 0.3562



27.9409, 0.4275, 0.2382



16.5460, 0.3577, 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.



45.4317, 0.4892, 0.4107



38.9855, 0.5279, 0.4094



89.2198, 0.4140, 0.4860



19.4139, 0.3282, 0.3403



18.6026, 0.5481, 0.4030



2.0283, 0.5296, 0.4177

Inverse Universe

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



35.2925, 0.2001, 0.2092



28.3141, 0.1858, 0.1817



13.0540, 0.1720, 0.0992



18.9525, 0.2979, 0.3174



12.9219, 0.1793, 0.1654



1.4770, 0.1848, 0.1853

Previews

White Background



This preview shows how the Yxy color 45.4303, 0.4892, 0.4107 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 45.4303, 0.4892, 0.4107 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 45.4303, 0.4892, 0.4107

Background



This preview shows how black text looks on a background with the Yxy color 45.4303, 0.4892, 0.4107.



This preview shows how white text looks on a background with the Yxy color 45.4303, 0.4892, 0.4107.

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

45.4303, 0.4892, 0.4107

Protanopia

45.5411, 0.4159, 0.4552

Deuteranopia

45.4703, 0.4525, 0.4429



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.4303, 0.4892, 0.4107

Protanomaly

44.9402, 0.4438, 0.4384

Deuteranomaly

45.4642, 0.4657, 0.4310

Tritanomaly

45.1971, 0.4439, 0.3572

Monochromacy



Original Color

45.4303, 0.4892, 0.4107

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.5919, 0.3772, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4303, 0.4892, 0.4107 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, 156, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 66)  
}
```

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, 156, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 66) }
```

Border

The CSS property to change the border of an element to Yxy 45.4303, 0.4892, 0.4107 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, 156, 66) }
```

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

```
.border{ border-color:rgb(255, 156, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4303, 0.4892, 0.4107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 66) }
```

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

```
.background{ background-color: rgb(255,  
156, 66) }
```

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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