

# Converting Colors

$Yxy(58.0318, 0.5185, 0.3797)$

Have a look what the booklet for  
Yxy(58.0318, 0.5185, 0.3797)  
contains.

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# **Color**

**Yxy(45.3586, 0.4772, 0.3964)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9B55
RGB	255, 155, 85
RGB Percent	100%, 61%, 33%
CMY	0.0000, 0.3922, 0.6668
CMYK	0.00, 0.39, 0.67, 0.00
HSL	25°, 100%, 67%
HSV	25°, 67%, 100%
XYZ	54.6042, 45.3586, 14.4635
YIQ	176.9200, 82.0700, -0.5700

# Conversions

## Conversions Part 2

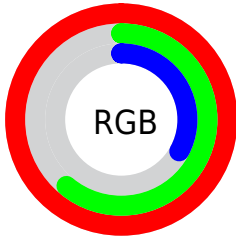
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 204, 85
Decimal	16751445
CIE Lab	73.13, 31.48, 51.62
CIE LCh	73, 60.465, 58.620
Yxy	45.3586, 0.4772, 0.3964
Android (android.graphics.Color)	4294941525 (0xFFFF9B55)
YUV	176.9200, -45.3166, 68.4762
Hunter-Lab	67.3488, 26.8617, 34.4113

# Details

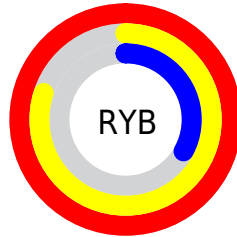
The Yxy color **45.3586, 0.4772, 0.3964** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **43.8324, 0.2127, 0.2383**, and the grayscale version is **44.1294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1593, 0.4015, 0.4036**, and **21.1534, 0.5173, 0.4033** is the 20% darker color. If you saturate the color by 10%, you get **40.3377, 0.5089, 0.3992**, and if you desaturate by 10%, it is **51.1442, 0.4453, 0.3896**.

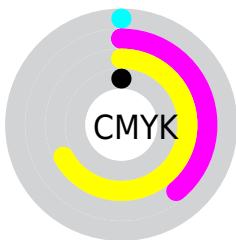
# Distribution



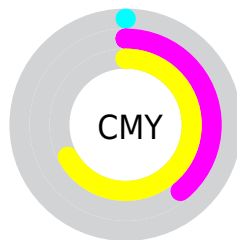
- Red (100%)
- Green (61%)
- Blue (33%)



- Red (100%)
- Yellow (80%)
- Blue (33%)



- Cyan (0%)
- Magenta (39%)
- Yellow (67%)
- Black (0%)




- Cyan (0%)
- Magenta (39%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3586, 0.4772, 0.3964 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 45.3586, 0.4772, 0.3964 by changing the saturation by 10% instead.





 45.3586, 0.4772,  
0.3964


 45.3586, 0.4772,  
0.3964


368.2240, 0.3968,  
0.3703


 31.7400, 0.4954,  
0.4000


 83.2583, 0.4491,  
0.3890

 21.1630, 0.5174,  
0.4027


 108.3081, 0.4382,  
0.3856

 13.2432, 0.5438,  
0.4034


 137.9371, 0.4288,  
0.3825

 7.5962, 0.5783,  
0.4014

 172.5297, 0.4206,  
0.3796

 3.8377, 0.6137,  
0.3863

 212.4703, 0.4135,  
0.3769

 1.5832, 0.6503,  
0.3497

258.1433, 0.4073,

 0.3462, 0.7646,

0.3745

0.2354

309.9331, 0.4017,  
0.3723

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.3586, 0.4772,  
0.3964

45.3586, 0.4772,  
0.3964

40.3377, 0.5089,  
0.3992

51.1442, 0.4453,  
0.3896

36.0442, 0.5381,  
0.3970

57.7318, 0.4150,  
0.3802

32.4325, 0.5624,  
0.3892

65.1537, 0.3875,  
0.3693

31.3697, 0.5696,  
0.3859

73.4407, 0.3631,  
0.3579

 82.6217, 0.3418,  
0.3466

 92.7242, 0.3235,  
0.3358

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.



45.3586, 0.4697, 0.3352



45.3586, 0.4772, 0.3964



45.3586, 0.4361, 0.4536

# Triad

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



45.3586, 0.4772, 0.3964



45.3586, 0.2165, 0.3807



45.3586, 0.2445, 0.2069

# Complementary

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



45.3586, 0.4772, 0.3964



43.8324, 0.2127, 0.2383

# 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.



45.3586, 0.1924, 0.2047



45.3586, 0.4772, 0.3964



45.3586, 0.1771, 0.2910

# Square

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



45.3586, 0.4772, 0.3964



45.3586, 0.2849, 0.4621



45.3586, 0.1698, 0.2309



45.3586, 0.3233, 0.2330



# Rectangle

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



45.3586, 0.4772, 0.3964



45.3586, 0.3909, 0.4801



45.3586, 0.1698, 0.2309



45.3586, 0.2239, 0.2033

# Sweetspot

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



45.3580, 0.4772, 0.3964



79.4735, 0.3486, 0.3504



31.3385, 0.3959, 0.2321



16.4568, 0.3545, 0.3535



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.



45.3580, 0.4772, 0.3964



38.8341, 0.5190, 0.3991



83.0623, 0.4144, 0.4686



19.2159, 0.3284, 0.3388



16.6682, 0.5667, 0.3882



1.8319, 0.5462, 0.4045



# Inverse Universe

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



43.8324, 0.2127, 0.2383



37.0400, 0.1987, 0.2166



18.6459, 0.1869, 0.1313



19.1534, 0.2979, 0.3190



15.4663, 0.1855, 0.1878



1.7213, 0.1904, 0.2055



# Previews

## White Background



This preview shows how the Yxy color 45.3586, 0.4772, 0.3964 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 45.3586, 0.4772, 0.3964 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

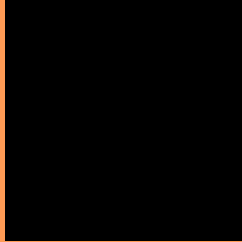
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.3586, 0.4772, 0.3964**

## Background



This preview shows how black text looks on a background with the Yxy color 45.3586, 0.4772, 0.3964.



This preview shows how white text looks on a background with the Yxy color 45.3586, 0.4772, 0.3964.

# 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

45.3586, 0.4772, 0.3964

### Protanopia

45.5749, 0.4010, 0.4367

### Deuteranopia

45.4079, 0.4385, 0.4284



## Tritanopia

45.2581, 0.4103, 0.3188

# Trichromacy



**Original Color**

45.3586, 0.4772, 0.3964

**Protanomaly**

44.9241, 0.4284, 0.4219

**Deuteranomaly**

45.1816, 0.4537, 0.4163

**Tritanomaly**

45.0592, 0.4375, 0.3491

# Monochromacy



**Original Color**

45.3586, 0.4772, 0.3964

**Achromatopsia**

43.9657, 0.3127, 0.3290

**Achromatomaly**

43.3687, 0.3694, 0.3609

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.3586, 0.4772, 0.3964 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, 155, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 85)  
}
```

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, 155, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 85) }
```

## Border

The CSS property to change the border of an element to Yxy 45.3586, 0.4772, 0.3964 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, 155, 85) }
```

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

```
.border{ border-color:rgb(255, 155, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
85) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.3586, 0.4772, 0.3964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 85) }
```

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

```
.background{ background-color: rgb(255,  
155, 85) }
```

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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