

# Converting Colors

Yxy(50.3820, 0.4532, 0.3956)

Have a look what the booklet for  
Yxy(50.3820, 0.4532, 0.3956)  
contains.

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# Color

**Yxy(50.2246, 0.4535, 0.3952)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFA866
RGB	255, 168, 102
RGB Percent	100%, 66%, 40%
CMY	0.0001, 0.3411, 0.6000
CMYK	0.00, 0.34, 0.60, 0.00
HSL	26°, 100%, 70%
HSV	26°, 60%, 100%
XYZ	57.6337, 50.2246, 19.2282
YIQ	186.4890, 73.0380, -2.0820

# Conversions

## Conversions Part 2

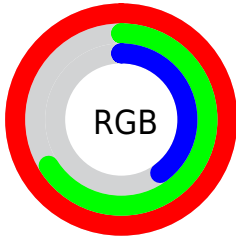
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 218, 102
Decimal	16754790
CIE <sub>Lab</sub>	76.21, 25.76, 46.77
CIE <sub>LCh</sub>	76, 53.395, 61.155
Yxy	50.2246, 0.4535, 0.3952
Android (android.graphics.Color)	4294944870 (0xFFFFA866)
YUV	186.4890, -41.6531, 60.0841
Hunter-Lab	70.8693, 21.1420, 33.5220

# Details

The Yxy color **50.2246, 0.4535, 0.3952** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.4206, 0.2202, 0.2450**, and the grayscale version is **49.6012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3684, 0.3841, 0.3993**, and **24.2080, 0.4876, 0.4054** is the 20% darker color. If you saturate the color by 10%, you get **44.7391, 0.4846, 0.4013**, and if you desaturate by 10%, it is **56.4672, 0.4233, 0.3860**.

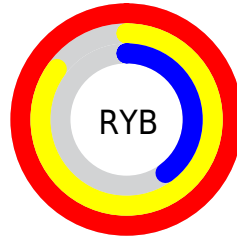
# Distribution



Red (100%)

Green (66%)

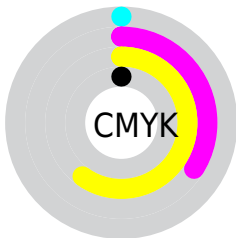
Blue (40%)



Red (100%)

Yellow (85%)

Blue (40%)

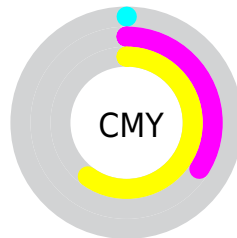


Cyan (0%)

Magenta (34%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (34%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2246, 0.4535, 0.3952 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 50.2246, 0.4535, 0.3952 by changing the saturation by 10% instead.





 50.2246, 0.4535,  
0.3952

 50.2246, 0.4535,  
0.3952


387.5436, 0.3852,  
0.3679

 35.5919, 0.4691,  
0.3999


 90.5076, 0.4296,  
0.3868


 24.1192, 0.4882,  
0.4046


 116.9266, 0.4203,  
0.3832

 15.4220, 0.5115,  
0.4087


 148.0432, 0.4123,  
0.3799

 9.1161, 0.5400,  
0.4104

 184.2418, 0.4054,  
0.3770

 4.8170, 0.5858,  
0.4142

225.9067, 0.3994,  
0.3744

 2.1403, 0.6130,  
0.3870

273.4224, 0.3941,

 0.6871, 0.6649,

0.3720

0.3351

327.1732, 0.3894,  
0.3698

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.2246, 0.4535,  
0.3952

50.2246, 0.4535,  
0.3952

44.7391, 0.4846,  
0.4013

56.4672, 0.4233,  
0.3860

39.9688, 0.5148,  
0.4029

63.4908, 0.3954,  
0.3750

35.8782, 0.5417,  
0.3992

71.3273, 0.3704,  
0.3632

32.4167, 0.5639,  
0.3905

80.0043, 0.3483,  
0.3513

■ 32.4145, 0.5639,  
0.3905

■ 89.5478, 0.3292,  
0.3398

99.9829, 0.3127,  
0.3290

99.9948, 0.3127,  
0.3290

# Harmonies

## Analogous

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



50.2246, 0.4494, 0.3411



50.2246, 0.4535, 0.3952



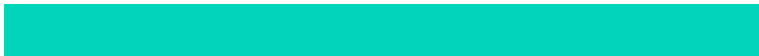
50.2246, 0.4168, 0.4421

# Triad

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



50.2246, 0.4535, 0.3952



50.2246, 0.2261, 0.3666



50.2246, 0.2592, 0.2229

# Complementary

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



50.2246, 0.4535, 0.3952



46.4206, 0.2202, 0.2450

# 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.



50.2246, 0.2104, 0.2196



50.2246, 0.4535, 0.3952



50.2246, 0.1927, 0.2924

# Square

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



50.2246, 0.4535, 0.3952



50.2246, 0.2847, 0.4360



50.2246, 0.1879, 0.2417



50.2246, 0.3288, 0.2478



# Rectangle

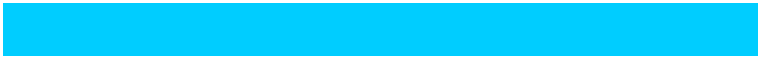
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.2246, 0.4535, 0.3952



50.2246, 0.3771, 0.4605



50.2246, 0.1879, 0.2417



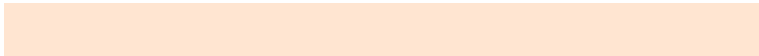
50.2246, 0.2402, 0.2192

# Sweetspot

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



50.2271, 0.4535, 0.3952



81.8565, 0.3443, 0.3490



34.5308, 0.3872, 0.2413



16.9504, 0.3502, 0.3524



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.



50.2271, 0.4535, 0.3952



43.7359, 0.4908, 0.4020



85.8527, 0.4046, 0.4604



19.2763, 0.3283, 0.3393



17.2246, 0.5610, 0.3927

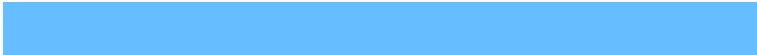


1.8892, 0.5411, 0.4086



# Inverse Universe

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



46.4206, 0.2202, 0.2450



39.5335, 0.2054, 0.2246



22.2487, 0.1986, 0.1491



19.0918, 0.2979, 0.3185



14.6489, 0.1836, 0.1809



1.6435, 0.1887, 0.1993



# Previews

## White Background



This preview shows how the Yxy color 50.2246, 0.4535, 0.3952 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

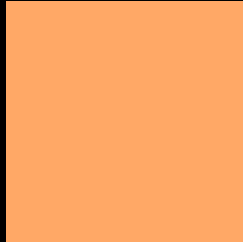
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.2246, 0.4535, 0.3952 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

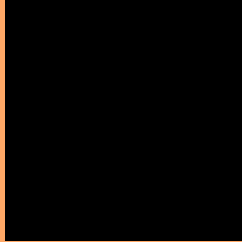
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.2246, 0.4535, 0.3952**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.2246, 0.4535, 0.3952.



This preview shows how white text looks on a background with the Yxy color 50.2246, 0.4535, 0.3952.

# 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

50.2246, 0.4535, 0.3952

### Protanopia

50.1924, 0.3911, 0.4250

### Deuteranopia

50.1300, 0.4269, 0.4169



## Tritanopia

50.1178, 0.3911, 0.3176

# Trichromacy



## Original Color

50.2246, 0.4535, 0.3952



## Protanomaly

49.9356, 0.4140, 0.4146



## Deuteranomaly

50.1053, 0.4370, 0.4088



## Tritanomaly

49.9175, 0.4158, 0.3472

# Monochromacy



## Original Color

50.2246, 0.4535, 0.3952



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

48.4556, 0.3618, 0.3586

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.2246, 0.4535, 0.3952 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, 168, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 102)  
}
```

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, 168, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 50.2246, 0.4535, 0.3952 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, 168, 102) }
```

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

```
.border{ border-color:rgb(255, 168, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 168, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.2246, 0.4535, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 102) }
```

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

```
.background{ background-color: rgb(255,  
168, 102) }
```

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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