

# Converting Colors

$Y_{xy}(55.2268, 0.4908, 0.3652)$

Have a look what the booklet for  
Yxy(55.2268, 0.4908, 0.3652)  
contains.

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# Color

**Yxy(45.8504, 0.4553, 0.3739)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9B6F
RGB	255, 155, 111
RGB Percent	100%, 61%, 44%
CMY	0.0000, 0.3921, 0.5647
CMYK	0.00, 0.39, 0.56, 0.00
HSL	18°, 100%, 72%
HSV	18°, 56%, 100%
XYZ	55.8323, 45.8504, 20.9448
YIQ	179.8840, 73.7240, 7.5160

# Conversions

## Conversions Part 2

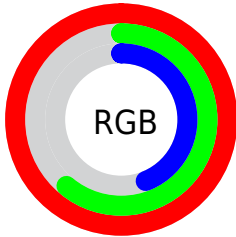
Format	Color
R <sub>Y</sub> B	255, 174, 111
Decimal	16751471
CIE Lab	73.45, 33.19, 38.77
CIE LCh	73, 51.038, 49.430
Yxy	45.8504, 0.4553, 0.3739
Android (android.graphics.Color)	4294941551 (0xFFFF9B6F)
YUV	179.8840, -33.9598, 65.8767
Hunter-Lab	67.7129, 28.6835, 29.0596

# Details

The Yxy color **45.8504, 0.4553, 0.3739** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **57.1842, 0.2301, 0.2747**, and the grayscale version is **45.7325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9975, 0.3826, 0.3777**, and **21.5176, 0.4931, 0.3794** is the 20% darker color. If you saturate the color by 10%, you get **39.8995, 0.4920, 0.3784**, and if you desaturate by 10%, it is **52.8281, 0.4211, 0.3671**.

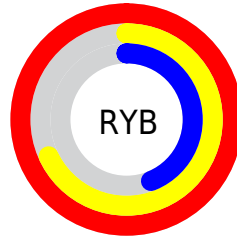
# Distribution



Red (100%)

Green (61%)

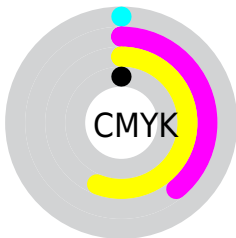
Blue (44%)



Red (100%)

Yellow (68%)

Blue (44%)

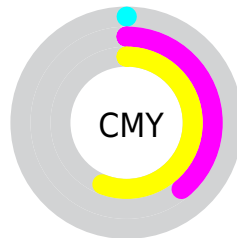


Cyan (0%)

Magenta (39%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (39%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8504, 0.4553, 0.3739 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 45.8504, 0.4553, 0.3739 by changing the saturation by 10% instead.





 45.8504, 0.4553,  
0.3739


 45.8504, 0.4553,  
0.3739


370.2069, 0.3841,  
0.3563


 32.1278, 0.4724,  
0.3765


 83.9951, 0.4298,  
0.3688


 21.4591, 0.4936,  
0.3788


 109.1859, 0.4201,  
0.3665

 13.4600, 0.5205,  
0.3800


 138.9683, 0.4119,  
0.3643

 7.7461, 0.5550,  
0.3782

 173.7266, 0.4047,  
0.3624

 3.9329, 0.6119,  
0.3770

213.8452, 0.3986,  
0.3607

 1.6361, 0.6561,  
0.3439

259.7085, 0.3932,

 0.3818, 0.7615,

0.3591

0.2385

311.7009, 0.3884,  
0.3576

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.8504, 0.4553,  
0.3739

45.8504, 0.4553,  
0.3739

39.8995, 0.4920,  
0.3784

52.8281, 0.4211,  
0.3671

34.9205, 0.5291,  
0.3792

60.8768, 0.3908,  
0.3590

30.8579, 0.5630,  
0.3754

70.0421, 0.3645,  
0.3504

27.6475, 0.5901,  
0.3668

80.3656, 0.3421,  
0.3420

■ 26.6985, 0.5981,  
0.3633

■ 91.8871, 0.3233,  
0.3339

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.



45.8504, 0.4336, 0.3205



45.8504, 0.4553, 0.3739



45.8504, 0.4336, 0.4245

# Triad

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



45.8504, 0.4553, 0.3739



45.8504, 0.2475, 0.3956



45.8504, 0.2382, 0.2202

# Complementary

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



45.8504, 0.4553, 0.3739



57.1842, 0.2301, 0.2747

# 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.



45.8504, 0.1999, 0.2264



45.8504, 0.4553, 0.3739



45.8504, 0.2038, 0.3198

# Square

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



45.8504, 0.4553, 0.3739



45.8504, 0.3118, 0.4509



45.8504, 0.1880, 0.2591



45.8504, 0.3002, 0.2369



# Rectangle

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



45.8504, 0.4553, 0.3739



45.8504, 0.4004, 0.4499



45.8504, 0.1880, 0.2591



45.8504, 0.2225, 0.2195

# Sweetspot

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



45.8515, 0.4553, 0.3739



79.7909, 0.3432, 0.3424



37.3714, 0.3619, 0.2301



16.6170, 0.3475, 0.3441



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.



45.8515, 0.4553, 0.3739



39.0771, 0.4978, 0.3788



76.9088, 0.4092, 0.4410



18.8922, 0.3287, 0.3363



14.1800, 0.5952, 0.3656



1.5638, 0.5731, 0.3831



# Inverse Universe

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



57.1842, 0.2301, 0.2747



51.2414, 0.2173, 0.2613



29.2962, 0.2099, 0.1812



19.4894, 0.2980, 0.3216



20.4941, 0.1961, 0.2259



2.1887, 0.1997, 0.2390



# Previews

## White Background



This preview shows how the Yxy color 45.8504, 0.4553, 0.3739 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

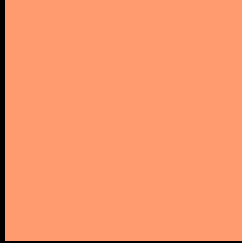
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.8504, 0.4553, 0.3739 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 45.8504, 0.4553, 0.3739**

## Background



This preview shows how black text looks on a background with the Yxy color 45.8504, 0.4553, 0.3739.



This preview shows how white text looks on a background with the Yxy color 45.8504, 0.4553, 0.3739.

# 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

45.8504, 0.4553, 0.3739

### Protanopia

46.1640, 0.3761, 0.4062

### Deuteranopia

46.1643, 0.4147, 0.4063



## Tritanopia

45.9664, 0.4073, 0.3188

# Trichromacy



**Original Color**

45.8504, 0.4553, 0.3739

**Protanomaly**

45.5411, 0.4040, 0.3950

**Deuteranomaly**

45.6788, 0.4306, 0.3938

**Tritanomaly**

45.6996, 0.4257, 0.3388

# Monochromacy



**Original Color**

45.8504, 0.4553, 0.3739

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

44.7578, 0.3605, 0.3492

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.8504, 0.4553, 0.3739 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 45.8504, 0.4553, 0.3739 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, 111) }
```

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

```
.border{ border-color:rgb(255, 155, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 155, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 155, 111); box-shadow:4px 4px 4px 4px rgb(255, 155, 111) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.8504, 0.4553, 0.3739 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, 111) }
```

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

```
.background{ background-color: rgb(255,  
155, 111) }
```

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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