

# Converting Colors

$Yxy(43.7186, 0.4534, 0.3598)$

Have a look what the booklet for  
Yxy(43.7186, 0.4534, 0.3598)  
contains.

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# Color

**Yxy(43.7478, 0.4534, 0.3600)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF9476
RGB	255, 148, 118
RGB Percent	100%, 58%, 46%
CMY	0.0000, 0.4196, 0.5373
CMYK	0.00, 0.42, 0.54, 0.00
HSL	13°, 100%, 73%
HSV	13°, 54%, 100%
XYZ	55.0979, 43.7478, 22.6759
YIQ	176.5730, 73.4020, 13.3540

# Conversions

## Conversions Part 2

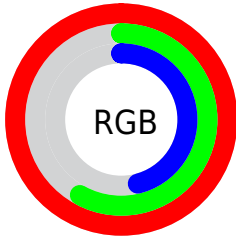
Format	Color
R <sub>Y</sub> B	255, 156, 118
Decimal	16749686
CIE Lab	72.06, 37.34, 33.28
CIE LCh	72, 50.014, 41.711
Yxy	43.7478, 0.4534, 0.3600
Android (android.graphics.Color)	4294939766 (0xFFFF9476)
YUV	176.5730, -28.8765, 68.7805
Hunter-Lab	66.1421, 32.9459, 25.9727

# Details

The Yxy color **43.7478, 0.4534, 0.3600** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **64.9059, 0.2365, 0.2928**, and the grayscale version is **43.8574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9121, 0.3789, 0.3624**, and **20.2647, 0.4924, 0.3628** is the 20% darker color. If you saturate the color by 10%, you get **37.5046, 0.4933, 0.3633**, and if you desaturate by 10%, it is **51.2338, 0.4172, 0.3549**.

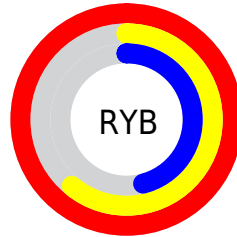
# Distribution



Red (100%)

Green (58%)

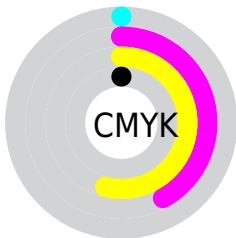
Blue (46%)



Red (100%)

Yellow (61%)

Blue (46%)

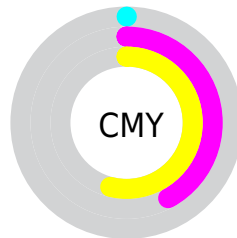


Cyan (0%)

Magenta (42%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (42%)


Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7478, 0.4534, 0.3600 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 43.7478, 0.4534, 0.3600 by changing the saturation by 10% instead.





 43.7478, 0.4534,  
0.3600


 43.7478, 0.4534,  
0.3600


361.6781, 0.3822,  
0.3487

 30.4723, 0.4709,  
0.3613


 80.8381, 0.4276,  
0.3570

 20.1973, 0.4930,  
0.3621


 105.4217, 0.4179,  
0.3555

 12.5386, 0.5214,  
0.3615


 134.5434, 0.4096,  
0.3542

 7.1116, 0.5589,  
0.3577

168.5877, 0.4026,  
0.3529

 3.5320, 0.6164,  
0.3506

207.9389, 0.3964,  
0.3517

 1.4154, 0.6806,  
0.3194

252.9815, 0.3911,

 0.2280, 0.8359,

0.3506

0.1641

304.0997, 0.3864,  
0.3496

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

43.7478, 0.4534,  
0.3600

43.7478, 0.4534,  
0.3600

37.5046, 0.4933,  
0.3633

51.2338, 0.4172,  
0.3549

32.4289, 0.5345,  
0.3639


60.0189, 0.3858,  
0.3490


28.4474, 0.5726,  
0.3607

70.1641, 0.3592,  
0.3428

25.4748, 0.6029,  
0.3537

81.7245, 0.3371,  
0.3367

 24.0754, 0.6170,  
0.3483

 94.7519, 0.3187,  
0.3310

99.9989, 0.3127,  
0.3290

# Harmonies

## Analogous

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



43.7478, 0.4206, 0.3074



43.7478, 0.4534, 0.3600



43.7478, 0.4423, 0.4121

# Triad

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



43.7478, 0.4534, 0.3600



43.7478, 0.2629, 0.4130



43.7478, 0.2262, 0.2199

# Complementary

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



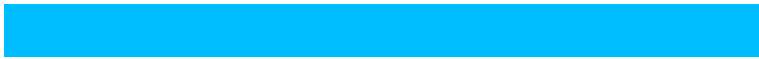
43.7478, 0.4534, 0.3600



64.9059, 0.2365, 0.2928

# 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.



43.7478, 0.1947, 0.2325



43.7478, 0.4534, 0.3600



43.7478, 0.2129, 0.3390

# Square

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



43.7478, 0.4534, 0.3600



43.7478, 0.3298, 0.4569



43.7478, 0.1898, 0.2725



43.7478, 0.2825, 0.2310



# Rectangle

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



43.7478, 0.4534, 0.3600



43.7478, 0.4142, 0.4409



43.7478, 0.1898, 0.2725



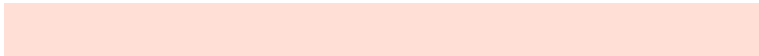
43.7478, 0.2128, 0.2213

# Sweetspot

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



43.7500, 0.4534, 0.3600



78.9758, 0.3417, 0.3381



39.6664, 0.3468, 0.2242



16.3839, 0.3462, 0.3393



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.



43.7500, 0.4534, 0.3600



37.3536, 0.4945, 0.3634



71.7688, 0.4108, 0.4266



18.6323, 0.3289, 0.3343



12.7583, 0.6144, 0.3504

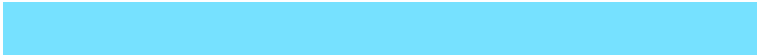


1.3949, 0.5934, 0.3671



# Inverse Universe

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



64.9059, 0.2365, 0.2928



60.2722, 0.2258, 0.2845



35.1192, 0.2182, 0.2041



19.7662, 0.2980, 0.3237



25.3756, 0.2046, 0.2566



2.6298, 0.2072, 0.2658



# Previews

## White Background



This preview shows how the Yxy color 43.7478, 0.4534, 0.3600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

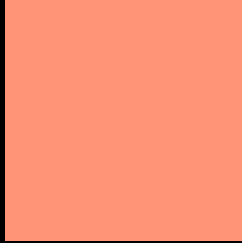
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.7478, 0.4534, 0.3600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

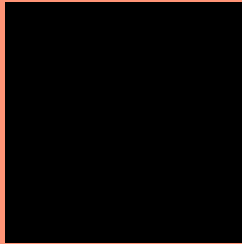
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.7478, 0.4534, 0.3600**

## Background



This preview shows how black text looks on a background with the Yxy color 43.7478, 0.4534, 0.3600.



This preview shows how white text looks on a background with the Yxy color 43.7478, 0.4534, 0.3600.

# 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

43.7478, 0.4534, 0.3600

### Protanopia

44.0031, 0.3645, 0.3913

### Deuteranopia

43.7370, 0.4045, 0.3961



## Tritanopia

43.8774, 0.4162, 0.3188

# Trichromacy



## Original Color

43.7478, 0.4534, 0.3600

## Protanomaly

43.0749, 0.3963, 0.3782

## Deuteranomaly

43.2215, 0.4229, 0.3822

## Tritanomaly

43.7708, 0.4298, 0.3335

# Monochromacy



## Original Color

43.7478, 0.4534, 0.3600

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

42.6519, 0.3591, 0.3418

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.7478, 0.4534, 0.3600 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, 148, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 118)  
}
```

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, 148, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 43.7478, 0.4534, 0.3600 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, 148, 118) }
```

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

```
.border{ border-color:rgb(255, 148, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 148, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 148, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 148, 118); box-shadow:4px 4px 4px 4px rgb(255, 148, 118) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.7478, 0.4534, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 118) }
```

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

```
.background{ background-color: rgb(255,  
148, 118) }
```

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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