

# Converting Colors

$Y_{xy}(43.7744, 0.4810, 0.3350)$

Have a look what the booklet for  
Yxy(43.7744, 0.4810, 0.3350)  
contains.

<b>Yxy(38.6805, 0.4585, 0.3355)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(38.6805, 0.4585, 0.3355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF827C
RGB	255, 130, 124
RGB Percent	100%, 51%, 49%
CMY	0.0000, 0.4902, 0.5137
CMYK	0.00, 0.49, 0.51, 0.00
HSL	3°, 100%, 74%
HSV	3°, 51%, 100%
XYZ	52.8614, 38.6805, 23.7502
YIQ	166.6910, 76.4260, 24.6340

# Conversions

## Conversions Part 2

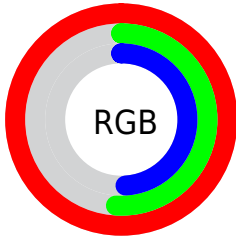
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 130, 124
Decimal	16745084
CIE <sub>Lab</sub>	68.52, 46.88, 25.33
CIE <sub>LCh</sub>	69, 53.284, 28.385
Yxy	38.6805, 0.4585, 0.3355
Android (android.graphics.Color)	4294935164 (0xFFFF827C)
YUV	166.6910, -21.0467, 77.4470
Hunter-Lab	62.1936, 42.8770, 20.8942

# Details

The Yxy color **38.6805, 0.4585, 0.3355** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **79.2563, 0.2446, 0.3219**, and the grayscale version is **38.5632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1322, 0.3798, 0.3376**, and **17.2851, 0.5026, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **32.3925, 0.5043, 0.3362**, and if you desaturate by 10%, it is **46.6690, 0.4178, 0.3344**.

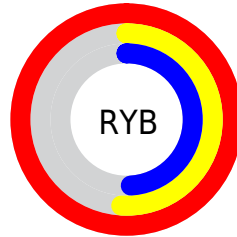
# Distribution



Red (100%)

Green (51%)

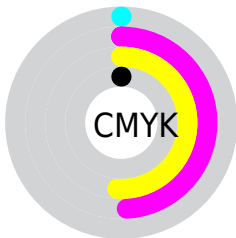
Blue (49%)



Red (100%)

Yellow (51%)

Blue (49%)

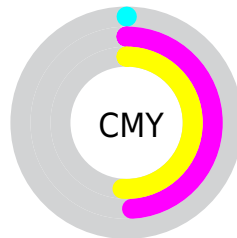


Cyan (0%)

Magenta (49%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (49%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6805, 0.4585, 0.3355 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 38.6805, 0.4585, 0.3355 by changing the saturation by 10% instead.





 38.6805, 0.4585,  
0.3355


 38.6805, 0.4585,  
0.3355


340.5302, 0.3829,  
0.3360

 26.5113, 0.4778,  
0.3340


 73.1500, 0.4306,  
0.3367

 17.2065, 0.5025,  
0.3313


 96.2190, 0.4203,  
0.3368

 10.3818, 0.5352,  
0.3263


 123.6901, 0.4116,  
0.3368

 5.6529, 0.5797,  
0.3166

155.9476, 0.4041,  
0.3367

 2.6352, 0.6478,  
0.2997

193.3760, 0.3977,  
0.3366

 0.9444, 0.7409,  
0.2591

236.3597, 0.3921,

 0.0000, 1.0000,

0.3364

0.0000

285.2829, 0.3872,  
0.3362

0.0000, 0.0000,  
0.0000

38.6805, 0.4585,  
0.3355

38.6805, 0.4585,  
0.3355

32.3925, 0.5043,  
0.3362

46.6690, 0.4178,  
0.3344

27.6770, 0.5515,  
0.3361

56.4634, 0.3836,  
0.3331

24.3966, 0.5938,  
0.3351

68.1665, 0.3556,  
0.3317

22.3879, 0.6240,  
0.3333

81.8721, 0.3330,  
0.3304

21.5153, 0.6378,  
0.3317

97.6678, 0.3149,  
0.3292

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.



38.6805, 0.4027, 0.2814



38.6805, 0.4585, 0.3355



38.6805, 0.4667, 0.3934

# Triad

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



38.6805, 0.4585, 0.3355



38.6805, 0.2882, 0.4519



38.6805, 0.1993, 0.2123

# Complementary

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



38.6805, 0.4585, 0.3355



79.2563, 0.2446, 0.3219

# 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.



38.6805, 0.1780, 0.2379



38.6805, 0.4585, 0.3355



38.6805, 0.2235, 0.3778

# Square

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



38.6805, 0.4585, 0.3355



38.6805, 0.3637, 0.4749



38.6805, 0.1855, 0.2950



38.6805, 0.2486, 0.2138



# Rectangle

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



38.6805, 0.4585, 0.3355



38.6805, 0.4460, 0.4301



38.6805, 0.1855, 0.2950



38.6805, 0.1890, 0.2175

# Sweetspot

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



38.6823, 0.4585, 0.3355



76.6604, 0.3407, 0.3309



42.6186, 0.3223, 0.2088



15.7873, 0.3454, 0.3311



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.



38.6823, 0.4585, 0.3355



32.0505, 0.5073, 0.3362



61.2407, 0.4195, 0.4005



18.1204, 0.3293, 0.3301



11.2990, 0.6369, 0.3325



1.1450, 0.6295, 0.3384



# Inverse Universe

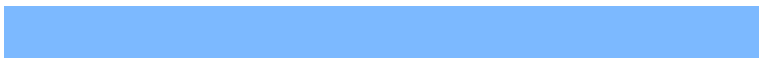
The Inverse Universe completely reimagines the original color for something new.



79.2563, 0.2446, 0.3219



76.7417, 0.2356, 0.3202



46.2604, 0.2287, 0.2419



20.3303, 0.2980, 0.3279



37.4291, 0.2207, 0.3146



3.6867, 0.2212, 0.3164



# Previews

## White Background



This preview shows how the Yxy color 38.6805, 0.4585, 0.3355 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 38.6805, 0.4585, 0.3355 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 38.6805, 0.4585, 0.3355**

## Background



This preview shows how black text looks on a background with the Yxy color 38.6805, 0.4585, 0.3355.



This preview shows how white text looks on a background with the Yxy color 38.6805, 0.4585, 0.3355.

# 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

38.6805, 0.4585, 0.3355

### Protanopia

38.9076, 0.3453, 0.3655

### Deuteranopia

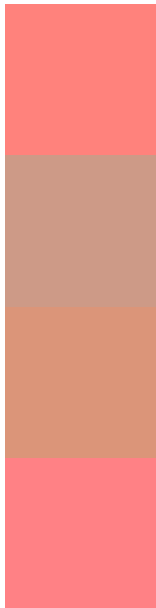
38.6156, 0.3910, 0.3827



## Tritanopia

38.7955, 0.4430, 0.3202

# Trichromacy



## Original Color

38.6805, 0.4585, 0.3355

## Protanomaly

37.8396, 0.3841, 0.3536

## Deuteranomaly

37.9354, 0.4155, 0.3631

## Tritanomaly

38.6540, 0.4488, 0.3253

# Monochromacy



## Original Color

38.6805, 0.4585, 0.3355

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

37.4877, 0.3616, 0.3331

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.6805, 0.4585, 0.3355 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, 130, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 124)  
}
```

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, 130, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 38.6805, 0.4585, 0.3355 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, 130, 124) }
```

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

```
.border{ border-color:rgb(255, 130, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.6805, 0.4585, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 124) }
```

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

```
.background{ background-color: rgb(255,  
130, 124) }
```

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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