

# Converting Colors

$Y_{xy}(43.0420, 0.4713, 0.3285)$

Have a look what the booklet for  
Yxy(43.0420, 0.4713, 0.3285)  
contains.

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# Color

**Yxy(38.5722, 0.4522, 0.3284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8182
RGB	255, 129, 130
RGB Percent	100%, 51%, 51%
CMY	0.0001, 0.4940, 0.4901
CMYK	0.00, 0.49, 0.49, 0.00
HSL	360°, 100%, 75%
HSV	360°, 49%, 100%
XYZ	53.1131, 38.5722, 25.7696
YIQ	166.7880, 74.7750, 27.0230

# Conversions

## Conversions Part 2

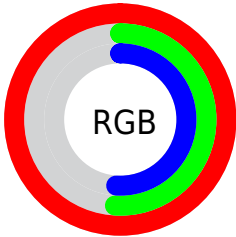
Format	Color
R <sub>Y</sub> B	255, 129, 130
Decimal	16744834
CIE Lab	68.44, 47.87, 21.87
CIE LCh	68, 52.631, 24.558
Yxy	38.5722, 0.4522, 0.3284
Android (android.graphics.Color)	4294934914 (0xFFFF8182)
YUV	166.7880, -18.1365, 77.3619
Hunter-Lab	62.1065, 43.9657, 18.8736

# Details

The Yxy color **38.5722, 0.4522, 0.3284** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.3270, 0.2482, 0.3299**, and the grayscale version is **38.6012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9599, 0.3749, 0.3302**, and **17.0956, 0.4948, 0.3223** is the 20% darker color. If you saturate the color by 10%, you get **32.0749, 0.4984, 0.3284**, and if you desaturate by 10%, it is **46.9161, 0.4118, 0.3285**.

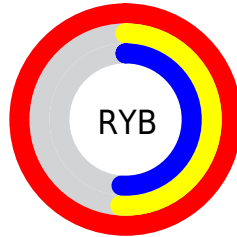
# Distribution



Red (100%)

Green (51%)

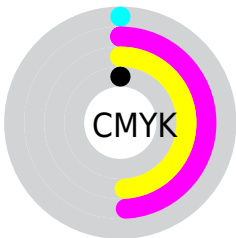
Blue (51%)



Red (100%)

Yellow (51%)

Blue (51%)

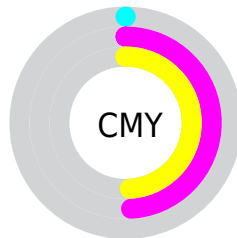


Cyan (0%)

Magenta (49%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (49%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5722, 0.4522, 0.3284 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 38.5722, 0.4522, 0.3284 by changing the saturation by 10% instead.





 38.5722, 0.4522,  
0.3284


 38.5722, 0.4522,  
0.3284

340.0682, 0.3798,  
0.3320

 26.4271, 0.4708,  
0.3264


 72.9843, 0.4254,  
0.3305

 17.1434, 0.4947,  
0.3231


 96.0201, 0.4155,  
0.3311

 10.3368, 0.5266,  
0.3175


 123.4550, 0.4071,  
0.3315

 5.6228, 0.5705,  
0.3074

155.6732, 0.4000,  
0.3317

 2.6171, 0.6347,  
0.2887

193.0593, 0.3939,  
0.3319

 0.9353, 0.7452,  
0.2548

235.9975, 0.3886,

 0.0000, 1.0000,

0.3319

0.0000

284.8724, 0.3839,  
0.3320

■ 0.0000, 0.0000,  
0.0000

■ 38.5722, 0.4522,  
0.3284

■ 38.5722, 0.4522,  
0.3284

■ 32.0749, 0.4984,  
0.3284

■ 46.9161, 0.4118,  
0.3285

■ 27.2787, 0.5467,  
0.3286

■ 57.2257, 0.3781,  
0.3286

■ 24.0263, 0.5907,  
0.3289

■ 69.6171, 0.3509,  
0.3287

■ 22.1283, 0.6228,  
0.3293

■ 84.1960, 0.3291,  
0.3289

■ 21.2961, 0.6388,  
0.3297

■ 99.9950, 0.3127,  
0.3290

■ 21.2594, 0.6395,  
0.3297

# Harmonies

## Analogous

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



38.5722, 0.3922, 0.2757



38.5722, 0.4522, 0.3284



38.5722, 0.4668, 0.3857

# Triad

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



38.5722, 0.4522, 0.3284



38.5722, 0.2980, 0.4566



38.5722, 0.1961, 0.2151

# Complementary

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



38.5722, 0.4522, 0.3284



83.3270, 0.2482, 0.3299

# 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.



38.5722, 0.1786, 0.2443



38.5722, 0.4522, 0.3284



38.5722, 0.2314, 0.3881

# Square

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



38.5722, 0.4522, 0.3284



38.5722, 0.3725, 0.4720



38.5722, 0.1898, 0.3049



38.5722, 0.2416, 0.2134



# Rectangle

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



38.5722, 0.4522, 0.3284



38.5722, 0.4500, 0.4227



38.5722, 0.1898, 0.3049



38.5722, 0.1871, 0.2215

# Sweetspot

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



38.5742, 0.4522, 0.3284



75.7693, 0.3407, 0.3288



43.7845, 0.3165, 0.2088



15.5766, 0.3455, 0.3287



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.



38.5742, 0.4522, 0.3284



32.3068, 0.4965, 0.3284



59.6243, 0.4179, 0.3919



17.9894, 0.3293, 0.3289



11.1121, 0.6393, 0.3295



1.0827, 0.6374, 0.3285



# Inverse Universe

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



38.5742, 0.4522, 0.3284



32.3068, 0.4965, 0.3284



50.5148, 0.2335, 0.2541



17.9894, 0.3293, 0.3289



11.1121, 0.6393, 0.3295



1.0827, 0.6374, 0.3285



# Previews

## White Background



This preview shows how the Yxy color 38.5722, 0.4522, 0.3284 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

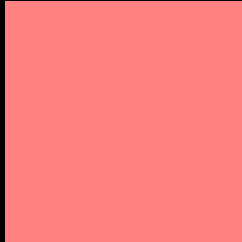
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.5722, 0.4522, 0.3284 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

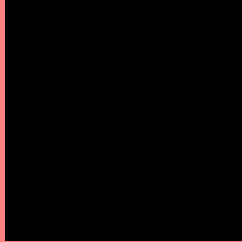
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.5722, 0.4522, 0.3284**

## Background



This preview shows how black text looks on a background with the Yxy color 38.5722, 0.4522, 0.3284.



This preview shows how white text looks on a background with the Yxy color 38.5722, 0.4522, 0.3284.

# 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

38.5722, 0.4522, 0.3284

### Protanopia

38.8895, 0.3370, 0.3558

### Deuteranopia

38.4926, 0.3832, 0.3753



## Tritanopia

38.5045, 0.4447, 0.3202

# Trichromacy



## Original Color

38.5722, 0.4522, 0.3284

## Protanomaly

37.5429, 0.3773, 0.3447

## Deuteranomaly

37.9326, 0.4082, 0.3561

## Tritanomaly

38.4196, 0.4482, 0.3233

# Monochromacy



## Original Color

38.5722, 0.4522, 0.3284

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

37.2577, 0.3588, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.5722, 0.4522, 0.3284 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, 129, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 130)  
}
```

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, 129, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 38.5722, 0.4522, 0.3284 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, 129, 130) }
```

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

```
.border{ border-color:rgb(255, 129, 130) }
```

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

Here you see how a box with a 4 pixel rgb(255, 129, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.5722, 0.4522, 0.3284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 130) }
```

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

```
.background{ background-color: rgb(255,  
129, 130) }
```

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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