

# Converting Colors

$Yxy(63.5650, 0.3753, 0.3465)$

Have a look what the booklet for  
Yxy(63.5650, 0.3753, 0.3465)  
contains.

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# **Color**

**Yxy(63.5449, 0.3750, 0.3459)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC3B3
RGB	255, 195, 179
RGB Percent	100%, 76%, 70%
CMY	0.0000, 0.2353, 0.2981
CMYK	0.00, 0.24, 0.30, 0.00
HSL	13°, 100%, 85%
HSV	13°, 30%, 100%
XYZ	68.8908, 63.5449, 51.2731
YIQ	211.1160, 40.8960, 7.7440

# Conversions

## Conversions Part 2

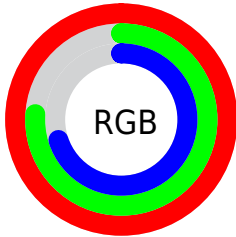
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 199, 179
Decimal	16761779
CIE Lab	83.73, 19.27, 16.35
CIE LCh	84, 25.271, 40.303
Yxy	63.5449, 0.3750, 0.3459
Android (android.graphics.Color)	4294951859 (0xFFFFC3B3)
YUV	211.1160, -15.8332, 38.4863
Hunter-Lab	79.7151, 14.7608, 17.6649

# Details

The Yxy color **63.5449, 0.3750, 0.3459** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.5214, 0.2676, 0.3113**, and the grayscale version is **65.3092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8790, 0.3247, 0.3455**, and **32.4264, 0.3912, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **54.1901, 0.4047, 0.3518**, and if you desaturate by 10%, it is **74.3112, 0.3501, 0.3400**.

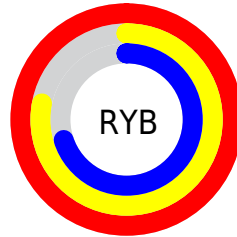
# Distribution



Red (100%)

Green (76%)

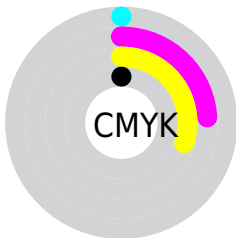
Blue (70%)



Red (100%)

Yellow (78%)

Blue (70%)

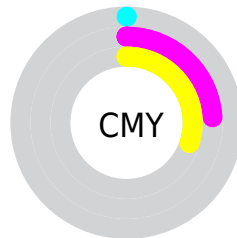


Cyan (0%)

Magenta (24%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5449, 0.3750, 0.3459 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 63.5449, 0.3750, 0.3459 by changing the saturation by 10% instead.





 63.5449, 0.3750,  
0.3459

 63.5449, 0.3750,  
0.3459


437.5443, 0.3452,  
0.3387

 46.2822, 0.3820,  
0.3474


 109.9553, 0.3645,  
0.3435

 32.4685, 0.3909,  
0.3491

139.8717, 0.3604,  
0.3425

 21.7196, 0.4022,  
0.3512


174.7748, 0.3570,  
0.3417

 13.6510, 0.4173,  
0.3535

215.0490, 0.3540,  
0.3409

 7.8784, 0.4383,  
0.3561

261.0786, 0.3514,  
0.3403

 4.0172, 0.4692,  
0.3585

313.2481, 0.3490,

 1.6832, 0.5260,

0.3397

0.3635

371.9419, 0.3470,  
0.3391

0.4127, 0.6765,  
0.3235

0.0000, 0.0000,  
0.0000

63.5449, 0.3750,  
0.3459

63.5449, 0.3750,  
0.3459

54.1901, 0.4047,  
0.3518

74.3112, 0.3501,  
0.3400

46.1801, 0.4393,  
0.3571

86.5364, 0.3295,  
0.3342

39.4545, 0.4783,  
0.3610

100.0000, 0.3127,  
0.3290

33.9450, 0.5198,  
0.3626

■ 29.5769, 0.5600,  
0.3610

■ 26.2665, 0.5940,  
0.3555

■ 23.9118, 0.6181,  
0.3472

■ 23.8752, 0.6185,  
0.3471

# Harmonies

## Analogous

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



63.5449, 0.3594, 0.3195



63.5449, 0.3750, 0.3459



63.5449, 0.3727, 0.3697

# Triad

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



63.5449, 0.3750, 0.3459



63.5449, 0.2928, 0.3655



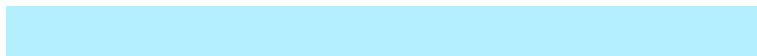
63.5449, 0.2714, 0.2767

# Complementary

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



63.5449, 0.3750, 0.3459



78.5214, 0.2676, 0.3113

# 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.



63.5449, 0.2556, 0.2856



63.5449, 0.3750, 0.3459



63.5449, 0.2675, 0.3365

# Square

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



63.5449, 0.3750, 0.3459



63.5449, 0.3244, 0.3834



63.5449, 0.2542, 0.3069



63.5449, 0.2986, 0.2809



# Rectangle

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



63.5449, 0.3750, 0.3459



63.5449, 0.3617, 0.3809



63.5449, 0.2542, 0.3069



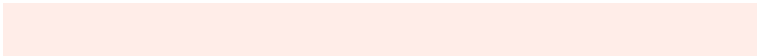
63.5449, 0.2647, 0.2782

# Sweetspot

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



63.5475, 0.3750, 0.3459



87.5923, 0.3280, 0.3338



59.7731, 0.3279, 0.2683



18.3439, 0.3307, 0.3346



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.



63.5475, 0.3750, 0.3459



57.5932, 0.3928, 0.3496



82.3373, 0.3641, 0.3829



18.6073, 0.3289, 0.3341



12.6476, 0.6160, 0.3491

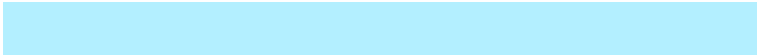


1.3808, 0.5952, 0.3656

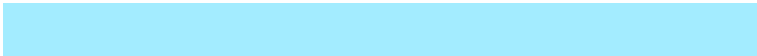


# Inverse Universe

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



78.5214, 0.2676, 0.3113



74.8171, 0.2590, 0.3071



58.9439, 0.2628, 0.2684



19.7931, 0.2980, 0.3239



25.8856, 0.2054, 0.2596



2.6753, 0.2079, 0.2684



# Previews

## White Background



This preview shows how the Yxy color 63.5449, 0.3750, 0.3459 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 63.5449, 0.3750, 0.3459 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 63.5449, 0.3750, 0.3459**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.5449, 0.3750, 0.3459.



This preview shows how white text looks on a background with the Yxy color 63.5449, 0.3750, 0.3459.

# 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

63.5449, 0.3750, 0.3459

### Protanopia

63.5623, 0.3362, 0.3542

### Deuteranopia

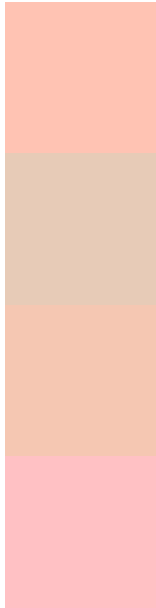
63.5129, 0.3617, 0.3542



## Tritanopia

63.4155, 0.3535, 0.3147

# Trichromacy



## Original Color

63.5449, 0.3750, 0.3459

## Protanomaly

63.1197, 0.3499, 0.3514

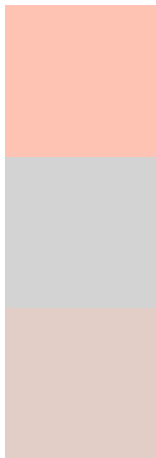
## Deuteranomaly

63.4737, 0.3663, 0.3517

## Tritanomaly

63.3855, 0.3615, 0.3260

# Monochromacy



## Original Color

63.5449, 0.3750, 0.3459

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

64.1171, 0.3342, 0.3357

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.5449, 0.3750, 0.3459 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, 195, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 179)  
}
```

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, 195, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 63.5449, 0.3750, 0.3459 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, 195, 179) }
```

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

```
.border{ border-color:rgb(255, 195, 179) }
```

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

Here you see how a box with a 4 pixel rgb(255, 195, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.5449, 0.3750, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 179) }
```

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

```
.background{ background-color: rgb(255,  
195, 179) }
```

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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