

# Converting Colors

$Y_{xy}(100.0000, 0.4754, 0.3395)$

Have a look what the booklet for  
Yxy(100.0000, 0.4754, 0.3395)  
contains.

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# Color

**Yxy(63.0982, 0.3753, 0.3448)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2B3
RGB	255, 194, 179
RGB Percent	100%, 76%, 70%
CMY	0.0000, 0.2393, 0.2979
CMYK	0.00, 0.24, 0.30, 0.00
HSL	12°, 100%, 85%
HSV	12°, 30%, 100%
XYZ	68.6797, 63.0982, 51.2215
YIQ	210.5290, 41.1710, 8.2670

# Conversions

## Conversions Part 2

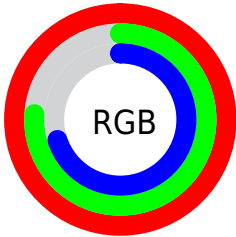
Format	Color
R <sub>Y</sub> B	255, 198, 179
Decimal	16761523
CIE Lab	83.49, 19.82, 15.99
CIE LCh	83, 25.471, 38.899
Yxy	63.0982, 0.3753, 0.3448
Android (android.graphics.Color)	4294951603 (0xFFFFC2B3)
YUV	210.5290, -15.5438, 39.0011
Hunter-Lab	79.4344, 15.3226, 17.3722

# Details

The Yxy color **63.0982, 0.3753, 0.3448** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **79.1502, 0.2678, 0.3125**, and the grayscale version is **64.8956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2525, 0.3248, 0.3445**, and **32.1328, 0.3917, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **53.6611, 0.4052, 0.3503**, and if you desaturate by 10%, it is **73.9754, 0.3502, 0.3392**.

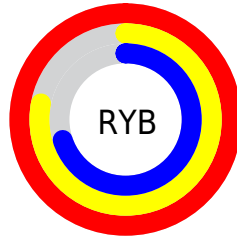
# Distribution



Red (100%)

Green (76%)

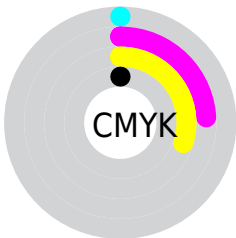
Blue (70%)



Red (100%)

Yellow (78%)

Blue (70%)

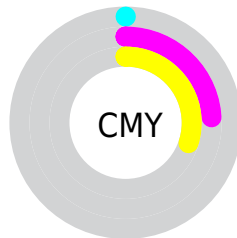


Cyan (0%)

Magenta (24%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0982, 0.3753, 0.3448 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 63.0982, 0.3753, 0.3448 by changing the saturation by 10% instead.





 63.0982, 0.3753,  
0.3448

 63.0982, 0.3753,  
0.3448


435.9258, 0.3453,  
0.3381

 45.9207, 0.3824,  
0.3462


 109.3112, 0.3647,  
0.3426

 32.1832, 0.3913,  
0.3478


139.1154, 0.3606,  
0.3417

 21.5015, 0.4027,  
0.3496


173.8973, 0.3571,  
0.3409

 13.4911, 0.4180,  
0.3517

214.0413, 0.3541,  
0.3402

 7.7676, 0.4392,  
0.3540

259.9317, 0.3515,  
0.3396

 3.9466, 0.4706,  
0.3558

311.9530, 0.3492,

 1.6437, 0.5286,

0.3390

0.3601

370.4896, 0.3471,  
0.3385

0.3868, 0.6877,  
0.3123

0.0000, 0.0000,  
0.0000

63.0982, 0.3753,  
0.3448

63.0982, 0.3753,  
0.3448

53.6611, 0.4052,  
0.3503

73.9754, 0.3502,  
0.3392

45.6126, 0.4403,  
0.3552

86.3606, 0.3295,  
0.3339

38.8833, 0.4799,  
0.3589

100.0000, 0.3127,  
0.3290

33.4015, 0.5219,  
0.3603

■ 29.0886, 0.5626,  
0.3585

■ 25.8565, 0.5967,  
0.3532

■ 23.5976, 0.6206,  
0.3453

■ 23.5598, 0.6210,  
0.3451

# Harmonies

## Analogous

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



63.0982, 0.3588, 0.3181



63.0982, 0.3753, 0.3448



63.0982, 0.3739, 0.3692

# Triad

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



63.0982, 0.3753, 0.3448



63.0982, 0.2940, 0.3670



63.0982, 0.2700, 0.2763

# Complementary

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



63.0982, 0.3753, 0.3448



79.1502, 0.2678, 0.3125

# 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.



63.0982, 0.2547, 0.2859



63.0982, 0.3753, 0.3448



63.0982, 0.2680, 0.3380

# Square

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



63.0982, 0.3753, 0.3448



63.0982, 0.3260, 0.3844



63.0982, 0.2540, 0.3079



63.0982, 0.2969, 0.2799



# Rectangle

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



63.0982, 0.3753, 0.3448



63.0982, 0.3632, 0.3808



63.0982, 0.2540, 0.3079



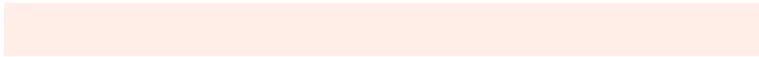
63.0982, 0.2634, 0.2780

# Sweetspot

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



63.0948, 0.3753, 0.3448



87.4085, 0.3280, 0.3335



59.8668, 0.3269, 0.2672



18.2990, 0.3307, 0.3342



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.



63.0948, 0.3753, 0.3448



57.0726, 0.3933, 0.3482



81.6354, 0.3644, 0.3817



18.5660, 0.3289, 0.3338



12.4736, 0.6186, 0.3471

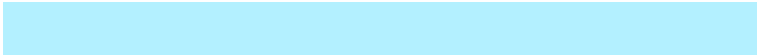


1.3582, 0.5981, 0.3633

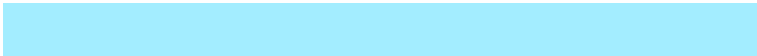


# Inverse Universe

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



79.1502, 0.2678, 0.3125



75.5507, 0.2592, 0.3086



59.5597, 0.2630, 0.2700



19.8378, 0.2980, 0.3242



26.7477, 0.2068, 0.2644



2.7521, 0.2091, 0.2726



# Previews

## White Background



This preview shows how the Yxy color 63.0982, 0.3753, 0.3448 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 63.0982, 0.3753, 0.3448 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

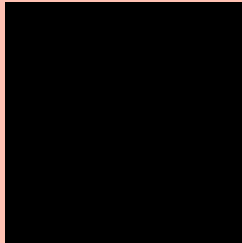
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.0982, 0.3753, 0.3448**

## Background



This preview shows how black text looks on a background with the Yxy color 63.0982, 0.3753, 0.3448.



This preview shows how white text looks on a background with the Yxy color 63.0982, 0.3753, 0.3448.

# 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**

63.0982, 0.3753, 0.3448

**Protanopia**

63.4086, 0.3354, 0.3543

**Deuteranopia**

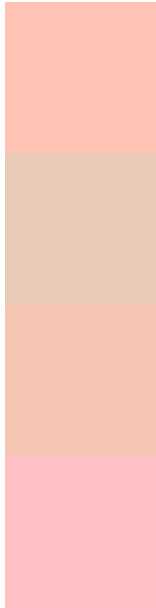
63.3384, 0.3608, 0.3542



## Tritanopia

62.9294, 0.3545, 0.3147

# Trichromacy



**Original Color**

63.0982, 0.3753, 0.3448

**Protanomaly**

63.1197, 0.3499, 0.3514

**Deuteranomaly**

63.0150, 0.3666, 0.3506

**Tritanomaly**

62.9448, 0.3617, 0.3250

# Monochromacy



**Original Color**

63.0982, 0.3753, 0.3448

**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 63.0982, 0.3753, 0.3448 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, 194, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 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, 194, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 63.0982, 0.3753, 0.3448 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, 194, 179) }
```

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

```
.border{ border-color:rgb(255, 194, 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, 194, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.0982, 0.3753, 0.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 179) }
```

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

```
.background{ background-color: rgb(255,  
194, 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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