

# Converting Colors

$Yxy(64.0644, 0.3778, 0.3515)$

Have a look what the booklet for  
Yxy(64.0644, 0.3778, 0.3515)  
contains.

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# Color

**Yxy(63.8350, 0.3780, 0.3511)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4AF
RGB	255, 196, 175
RGB Percent	100%, 77%, 69%
CMY	0.0000, 0.2314, 0.3137
CMYK	0.00, 0.23, 0.31, 0.00
HSL	16°, 100%, 84%
HSV	16°, 31%, 100%
XYZ	68.7258, 63.8350, 49.2535
YIQ	211.2470, 41.9050, 5.9770

# Conversions

## Conversions Part 2

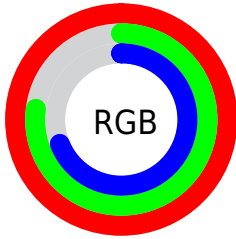
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 203, 175
Decimal	16762031
CIE <sub>Lab</sub>	83.88, 18.26, 18.68
CIE <sub>LCh</sub>	84, 26.121, 45.648
Yxy	63.8350, 0.3780, 0.3511
Android (android.graphics.Color)	4294952111 (0xFFFFC4AF)
YUV	211.2470, -17.8698, 38.3714
Hunter-Lab	79.8968, 13.7231, 19.3776

# Details

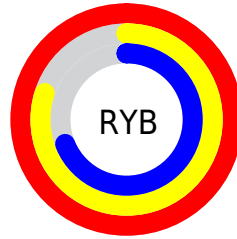
The Yxy color **63.8350, 0.3780, 0.3511** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.1800, 0.2648, 0.3056**, and the grayscale version is **65.4090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2801, 0.3270, 0.3504**, and **32.6215, 0.3952, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **54.9639, 0.4072, 0.3583**, and if you desaturate by 10%, it is **73.9529, 0.3531, 0.3437**.

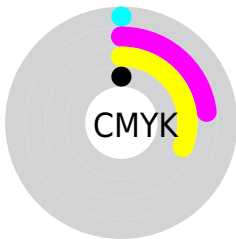
# Distribution



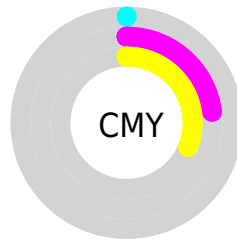
- Red (100%)
- Green (77%)
- Blue (69%)



- Red (100%)
- Yellow (80%)
- Blue (69%)



- Cyan (0%)
- Magenta (23%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8350, 0.3780, 0.3511 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 63.8350, 0.3780, 0.3511 by changing the saturation by 10% instead.




 63.8350, 0.3780,  
0.3511

 63.8350, 0.3780,  
0.3511


438.5936, 0.3468,  
0.3415

 46.5170, 0.3854,  
0.3531


 110.3733, 0.3670,  
0.3479

 32.6540, 0.3945,  
0.3555


140.3624, 0.3628,  
0.3466

 21.8615, 0.4063,  
0.3583


175.3440, 0.3591,  
0.3455

 13.7552, 0.4220,  
0.3616

215.7025, 0.3560,  
0.3445

 7.9506, 0.4436,  
0.3655

261.8224, 0.3533,  
0.3436

 4.0634, 0.4752,  
0.3694

314.0879, 0.3508,

 1.7091, 0.5380,

0.3428

0.3803

372.8835, 0.3487,  
0.3421

0.4295, 0.6654,  
0.3346

0.0000, 0.0000,  
0.0000

63.8350, 0.3780,  
0.3511

63.8350, 0.3780,  
0.3511

54.9639, 0.4072,  
0.3583

73.9529, 0.3531,  
0.3437

47.2985, 0.4409,  
0.3648

85.3735, 0.3323,  
0.3366

40.7827, 0.4784,  
0.3696

98.1383, 0.3149,  
0.3299

35.3587, 0.5177,  
0.3716

100.0000, 0.3127,  
0.3290

■ 30.9638, 0.5554,  
0.3698

■ 27.5275, 0.5874,  
0.3634

■ 25.2658, 0.6081,  
0.3553

# Harmonies

## Analogous

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



63.8350, 0.3650, 0.3239



63.8350, 0.3780, 0.3511



63.8350, 0.3723, 0.3745

# Triad

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



63.8350, 0.3780, 0.3511



63.8350, 0.2868, 0.3619



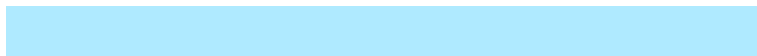
63.8350, 0.2744, 0.2750

# Complementary

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



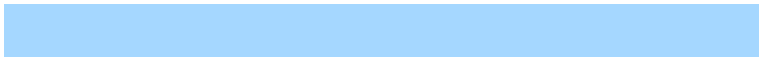
63.8350, 0.3780, 0.3511



75.1800, 0.2648, 0.3056

# 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.



63.8350, 0.2558, 0.2816



63.8350, 0.3780, 0.3511



63.8350, 0.2626, 0.3310

# Square

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



63.8350, 0.3780, 0.3511



63.8350, 0.3188, 0.3832



63.8350, 0.2516, 0.3014



63.8350, 0.3039, 0.2815



# Rectangle

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



63.8350, 0.3780, 0.3511



63.8350, 0.3591, 0.3846



63.8350, 0.2516, 0.3014



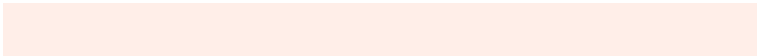
63.8350, 0.2667, 0.2757

# Sweetspot

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



63.8321, 0.3780, 0.3511



88.2810, 0.3279, 0.3350



57.9163, 0.3321, 0.2688



18.5125, 0.3305, 0.3360



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.



63.8321, 0.3780, 0.3511



57.8193, 0.3969, 0.3559



83.7710, 0.3659, 0.3896



18.7622, 0.3288, 0.3353



13.4068, 0.6053, 0.3576

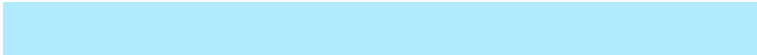


1.4743, 0.5835, 0.3749

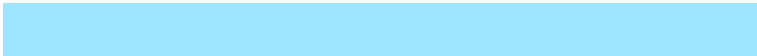


# Inverse Universe

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



75.1800, 0.2648, 0.3056



70.8523, 0.2554, 0.2998



55.3622, 0.2594, 0.2599



19.6271, 0.2980, 0.3226



22.8382, 0.2004, 0.2413



2.4018, 0.2035, 0.2525



# Previews

## White Background



This preview shows how the Yxy color 63.8350, 0.3780, 0.3511 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

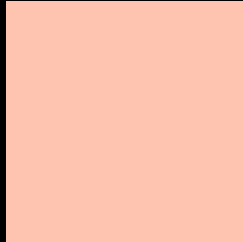
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.8350, 0.3780, 0.3511 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 63.8350, 0.3780, 0.3511**

## Background



This preview shows how black text looks on a background with the Yxy color 63.8350, 0.3780, 0.3511.



This preview shows how white text looks on a background with the Yxy color 63.8350, 0.3780, 0.3511.

# 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

63.8350, 0.3780, 0.3511

### Protanopia

64.1528, 0.3413, 0.3610

### Deuteranopia

63.7065, 0.3665, 0.3584



## Tritanopia

63.8562, 0.3533, 0.3157

# Trichromacy



## Original Color

63.8350, 0.3780, 0.3511

## Protanomaly

63.7640, 0.3544, 0.3568

## Deuteranomaly

63.6770, 0.3712, 0.3559

## Tritanomaly

63.7837, 0.3621, 0.3281

# Monochromacy



## Original Color

63.8350, 0.3780, 0.3511

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

64.5507, 0.3348, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8350, 0.3780, 0.3511 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, 196, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 175)  
}
```

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, 196, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8350, 0.3780, 0.3511 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, 196, 175) }
```

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

```
.border{ border-color:rgb(255, 196, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 196, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 196, 175); box-shadow:4px 4px 4px 4px rgb(255, 196, 175) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8350, 0.3780, 0.3511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 175) }
```

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

```
.background{ background-color: rgb(255,  
196, 175) }
```

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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