

# Converting Colors

$Y_{xy}(101.7088, 0.4812, 0.3460)$

Have a look what the booklet for  
Yxy(101.7088, 0.4812, 0.3460)  
contains.

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# Color

**Yxy(64.1328, 0.3809, 0.3563)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC5AB
RGB	255, 197, 171
RGB Percent	100%, 77%, 67%
CMY	0.0000, 0.2274, 0.3293
CMYK	0.00, 0.23, 0.33, 0.00
HSL	19°, 100%, 84%
HSV	19°, 33%, 100%
XYZ	68.5607, 64.1328, 47.3031
YIQ	211.3780, 42.9140, 4.2100

# Conversions

## Conversions Part 2

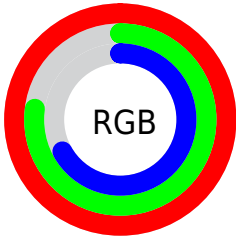
Format	Color
<b>R<sub>YB</sub></b>	255, 209, 171
Decimal	16762283
CIE Lab	84.03, 17.23, 21.00
CIE LCh	84, 27.165, 50.627
Yxy	64.1328, 0.3809, 0.3563
Android (android.graphics.Color)	4294952363 (0xFFFFC5AB)
YUV	211.3780, -19.9064, 38.2565
Hunter-Lab	80.0830, 12.6725, 21.0369

# Details

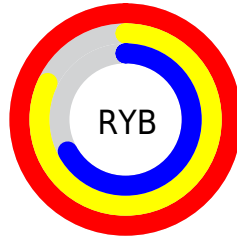
The Yxy color **64.1328, 0.3809, 0.3563** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **71.9298, 0.2620, 0.2997**, and the grayscale version is **65.5185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6346, 0.3299, 0.3562**, and **32.8471, 0.3979, 0.3613** is the 20% darker color. If you saturate the color by 10%, you get **55.7173, 0.4097, 0.3647**, and if you desaturate by 10%, it is **73.6731, 0.3561, 0.3477**.

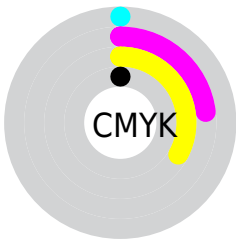
# Distribution



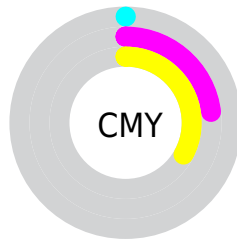
- Red (100%)
- Green (77%)
- Blue (67%)



- Red (100%)
- Yellow (82%)
- Blue (67%)



- Cyan (0%)
- Magenta (23%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1328, 0.3809, 0.3563 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 64.1328, 0.3809, 0.3563 by changing the saturation by 10% instead.




 64.1328, 0.3809,  
0.3563

 64.1328, 0.3809,  
0.3563

439.6690, 0.3484,  
0.3443

 46.7582, 0.3885,  
0.3588


 110.8022, 0.3694,  
0.3523

 32.8446, 0.3981,  
0.3618


140.8658, 0.3650,  
0.3507

 22.0074, 0.4103,  
0.3654


175.9278, 0.3612,  
0.3493

 13.8623, 0.4264,  
0.3697

216.3728, 0.3580,  
0.3481

 8.0250, 0.4486,  
0.3747

262.5850, 0.3551,  
0.3470

 4.1109, 0.4806,  
0.3800

314.9488, 0.3526,

 1.7358, 0.5506,

0.3460

0.3981

373.8487, 0.3504,  
0.3451

0.4467, 0.6542,  
0.3458

0.0000, 0.0000,  
0.0000

64.1328, 0.3809,  
0.3563

64.1328, 0.3809,  
0.3563

55.7173, 0.4097,  
0.3647

73.6731, 0.3561,  
0.3477

48.3795, 0.4425,  
0.3722

84.3743, 0.3351,  
0.3392

42.0750, 0.4784,  
0.3777

96.2762, 0.3174,  
0.3312

36.7544, 0.5155,  
0.3801

100.0000, 0.3127,  
0.3290

■ 32.3640, 0.5507,  
0.3780

■ 28.8432, 0.5805,  
0.3711

■ 26.8359, 0.5972,  
0.3640

# Harmonies

## Analogous

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



64.1328, 0.3705, 0.3283



64.1328, 0.3809, 0.3563



64.1328, 0.3718, 0.3794

# Triad

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



64.1328, 0.3809, 0.3563



64.1328, 0.2809, 0.3583



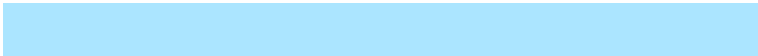
64.1328, 0.2774, 0.2732

# Complementary

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



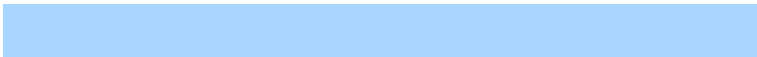
64.1328, 0.3809, 0.3563



71.9298, 0.2620, 0.2997

# 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.



64.1328, 0.2559, 0.2777



64.1328, 0.3809, 0.3563



64.1328, 0.2578, 0.3255

# Square

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



64.1328, 0.3809, 0.3563



64.1328, 0.3132, 0.3828



64.1328, 0.2490, 0.2960



64.1328, 0.3092, 0.2821



# Rectangle

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



64.1328, 0.3809, 0.3563



64.1328, 0.3564, 0.3883



64.1328, 0.2490, 0.2960



64.1328, 0.2688, 0.2732

# Sweetspot

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



64.1342, 0.3809, 0.3563



87.7389, 0.3296, 0.3368



56.0961, 0.3368, 0.2697



18.4319, 0.3322, 0.3380



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.



64.1342, 0.3809, 0.3563



58.0721, 0.4008, 0.3623



85.4691, 0.3675, 0.3965



18.9036, 0.3287, 0.3364



14.2539, 0.5943, 0.3663

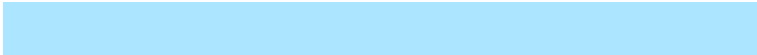


1.5722, 0.5722, 0.3839

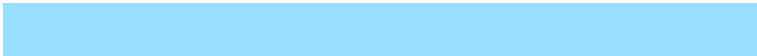


# Inverse Universe

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



71.9298, 0.2620, 0.2997



67.0055, 0.2517, 0.2923



51.7685, 0.2558, 0.2508



19.4774, 0.2980, 0.3215



20.2978, 0.1957, 0.2245



2.1708, 0.1994, 0.2378



# Previews

## White Background



This preview shows how the Yxy color 64.1328, 0.3809, 0.3563 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

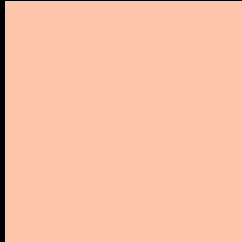
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.1328, 0.3809, 0.3563 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

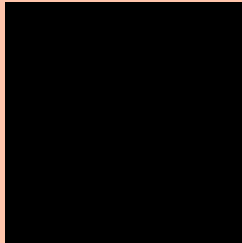
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.1328, 0.3809, 0.3563**

## Background



This preview shows how black text looks on a background with the Yxy color 64.1328, 0.3809, 0.3563.



This preview shows how white text looks on a background with the Yxy color 64.1328, 0.3809, 0.3563.

# 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

64.1328, 0.3809, 0.3563

### Protanopia

64.1474, 0.3451, 0.3655

### Deuteranopia

64.3764, 0.3710, 0.3636



## Tritanopia

64.3486, 0.3523, 0.3157

# Trichromacy



## Original Color

64.1328, 0.3809, 0.3563

## Protanomaly

64.0814, 0.3572, 0.3623

## Deuteranomaly

64.1673, 0.3749, 0.3611

## Tritanomaly

64.1853, 0.3626, 0.3302

# Monochromacy



## Original Color

64.1328, 0.3809, 0.3563

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

64.4590, 0.3363, 0.3402

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.1328, 0.3809, 0.3563 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, 197, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 171)  
}
```

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, 197, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1328, 0.3809, 0.3563 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, 197, 171) }
```

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

```
.border{ border-color:rgb(255, 197, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1328, 0.3809, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 171) }
```

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

```
.background{ background-color: rgb(255,  
197, 171) }
```

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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