

# Converting Colors

$Yxy(77.7479, 0.3997, 0.3159)$

Have a look what the booklet for  
Yxy(77.7479, 0.3997, 0.3159)  
contains.

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# Color

**Yxy(64.0034, 0.3508, 0.3127)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC1D1
RGB	255, 193, 209
RGB Percent	100%, 76%, 82%
CMY	0.0002, 0.2430, 0.1805
CMYK	0.00, 0.24, 0.18, 0.00
HSL	345°, 100%, 88%
HSV	345°, 24%, 100%
XYZ	71.8017, 64.0034, 68.8748
YIQ	213.3620, 31.8160, 18.1200

# Conversions

## Conversions Part 2

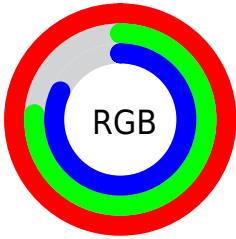
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 193, 209
Decimal	16761297
CIE Lab	83.97, 24.48, 0.67
CIE LCh	84, 24.489, 1.576
Yxy	64.0034, 0.3508, 0.3127
Android (android.graphics.Color)	4294951377 (0xFFFFC1D1)
YUV	213.3620, -2.1505, 36.5165
Hunter-Lab	80.0021, 20.1996, 4.9580

# Details

The Yxy color  $64.0034, 0.3508, 0.3127$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $89.0606, 0.2849, 0.3460$ , and the grayscale version is  $66.7926, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $96.8512, 0.3129, 0.3242$ , and  $32.7021, 0.3595, 0.3080$  is the 20% darker color. If you saturate the color by 10%, you get  $52.8044, 0.3729, 0.3056$ , and if you desaturate by 10%, it is  $77.2626, 0.3327, 0.3197$ .

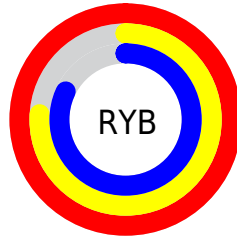
# Distribution



Red (100%)

Green (76%)

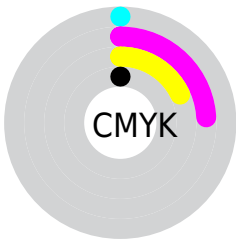
Blue (82%)



Red (100%)

Yellow (76%)

Blue (82%)

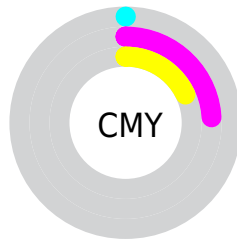


Cyan (0%)

Magenta (24%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0034, 0.3508, 0.3127 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 64.0034, 0.3508, 0.3127 by changing the saturation by 10% instead.





 64.0034, 0.3508,  
0.3127

 64.0034, 0.3508,  
0.3127

439.2019, 0.3327,  
0.3205

 46.6534, 0.3550,  
0.3109


 110.6158, 0.3444,  
0.3154

 32.7618, 0.3603,  
0.3086


140.6471, 0.3420,  
0.3165

 21.9440, 0.3671,  
0.3056


175.6742, 0.3399,  
0.3174

 13.8158, 0.3762,  
0.3017

216.0816, 0.3381,  
0.3182

 7.9926, 0.3888,  
0.2962

262.2537, 0.3365,  
0.3189

 4.0902, 0.4077,  
0.2879

314.5748, 0.3351,

 1.7242, 0.4387,

0.3195

0.2742

373.4295, 0.3339,  
0.3200

0.4392, 0.5413,  
0.2315

0.0000, 0.0000,  
0.0000

64.0034, 0.3508,  
0.3127

64.0034, 0.3508,  
0.3127

52.8044, 0.3729,  
0.3056

77.2626, 0.3327,  
0.3197

43.5534, 0.3998,  
0.2988

92.6695, 0.3181,  
0.3263

36.1406, 0.4315,  
0.2931

99.9901, 0.3127,  
0.3290

30.4419, 0.4677,  
0.2893

■ 26.3175, 0.5067,  
0.2886

■ 23.6055, 0.5452,  
0.2921

■ 22.1081, 0.5790,  
0.2998

■ 21.6394, 0.5952,  
0.3053

# Harmonies

## Analogous

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



64.0034, 0.3212, 0.2919



64.0034, 0.3508, 0.3127



64.0034, 0.3702, 0.3380

# Triad

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



64.0034, 0.3508, 0.3127



64.0034, 0.3329, 0.3835



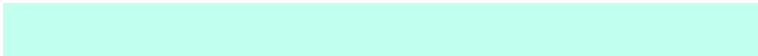
64.0034, 0.2556, 0.2919

# Complementary

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



64.0034, 0.3508, 0.3127



89.0606, 0.2849, 0.3460

# 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.



64.0034, 0.2584, 0.3155



64.0034, 0.3508, 0.3127



64.0034, 0.3021, 0.3707

# Square

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



64.0034, 0.3508, 0.3127



64.0034, 0.3592, 0.3797



64.0034, 0.2751, 0.3449



64.0034, 0.2670, 0.2796



# Rectangle

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



64.0034, 0.3508, 0.3127



64.0034, 0.3742, 0.3547



64.0034, 0.2751, 0.3449



64.0034, 0.2549, 0.2987

# Sweetspot

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



64.0063, 0.3508, 0.3127



88.3109, 0.3218, 0.3245



63.6234, 0.3032, 0.2660



18.6974, 0.3226, 0.3242



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.



64.0063, 0.3508, 0.3127



58.5026, 0.3607, 0.3094



69.9598, 0.3604, 0.3440



18.0638, 0.3254, 0.3229



11.3327, 0.5912, 0.3030



1.1203, 0.5596, 0.2856



# Inverse Universe

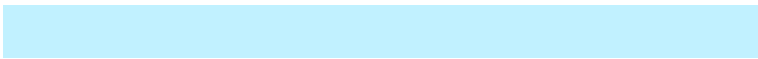
The Inverse Universe completely reimagines the original color for something new.



64.0063, 0.3508, 0.3127



58.5026, 0.3607, 0.3094



81.1737, 0.2755, 0.3134



18.0638, 0.3254, 0.3229



11.3327, 0.5912, 0.3030



1.1203, 0.5596, 0.2856



# Previews

## White Background



This preview shows how the Yxy color 64.0034, 0.3508, 0.3127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

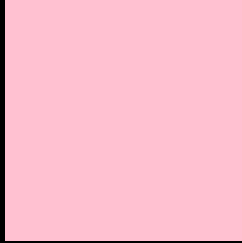
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0034, 0.3508, 0.3127 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 64.0034, 0.3508, 0.3127**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0034, 0.3508, 0.3127.



This preview shows how white text looks on a background with the Yxy color 64.0034, 0.3508, 0.3127.

# 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

64.0034, 0.3508, 0.3127

### Protanopia

64.5118, 0.3080, 0.3188

### Deuteranopia

64.2058, 0.3316, 0.3247



## Tritanopia

63.9540, 0.3516, 0.3137

# Trichromacy



## Original Color

64.0034, 0.3508, 0.3127

## Protanomaly

63.9491, 0.3226, 0.3159

## Deuteranomaly

63.9262, 0.3385, 0.3195

## Tritanomaly

63.9540, 0.3516, 0.3137

# Monochromacy



## Original Color

64.0034, 0.3508, 0.3127

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

65.3901, 0.3252, 0.3225

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0034, 0.3508, 0.3127 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, 193, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 209)  
}
```

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, 193, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0034, 0.3508, 0.3127 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, 193, 209) }
```

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

```
.border{ border-color:rgb(255, 193, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 193, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0034, 0.3508, 0.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 209) }
```

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

```
.background{ background-color: rgb(255,  
193, 209) }
```

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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