

# Converting Colors

$Y_{xy}(64.5785, 0.3543, 0.3194)$

Have a look what the booklet for  
Yxy(64.5785, 0.3543, 0.3194)  
contains.

<b>Yxy(64.6498, 0.3545, 0.3198)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(64.6498, 0.3545, 0.3198)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC3CC
RGB	255, 195, 204
RGB Percent	100%, 76%, 80%
CMY	0.0000, 0.2353, 0.1999
CMYK	0.00, 0.24, 0.20, 0.00
HSL	351°, 100%, 88%
HSV	351°, 24%, 100%
XYZ	71.6646, 64.6498, 65.8425
YIQ	213.9660, 32.8710, 15.5190

# Conversions

## Conversions Part 2

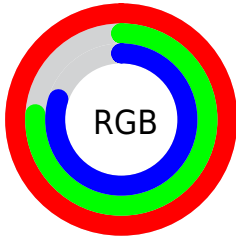
Format	Color
R <sub>Y</sub> B	255, 195, 204
Decimal	16761804
CIE Lab	84.30, 22.74, 3.81
CIE LCh	84, 23.061, 9.508
Yxy	64.6498, 0.3545, 0.3198
Android (android.graphics.Color)	4294951884 (0xFFFFC3CC)
YUV	213.9660, -4.9132, 35.9868
Hunter-Lab	80.4051, 18.3872, 7.7319

# Details

The Yxy color **64.6498, 0.3545, 0.3198** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.7727, 0.2824, 0.3385**, and the grayscale version is **67.2353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1008, 0.3128, 0.3261**, and **33.1221, 0.3645, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **53.2113, 0.3797, 0.3157**, and if you desaturate by 10%, it is **78.1782, 0.3341, 0.3239**.

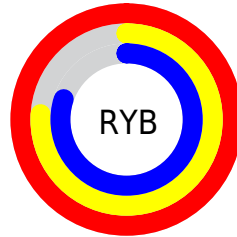
# Distribution



Red (100%)

Green (76%)

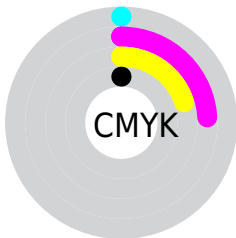
Blue (80%)



Red (100%)

Yellow (76%)

Blue (80%)

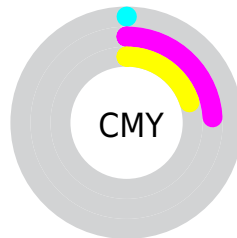


Cyan (0%)

Magenta (24%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6498, 0.3545, 0.3198 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 64.6498, 0.3545, 0.3198 by changing the saturation by 10% instead.




 64.6498, 0.3545,  
0.3198

 64.6498, 0.3545,  
0.3198


441.5324, 0.3346,  
0.3243

 47.1772, 0.3592,  
0.3187


 111.5462, 0.3475,  
0.3214

 33.1757, 0.3650,  
0.3173

141.7388, 0.3448,  
0.3221

 22.2611, 0.3725,  
0.3154


176.9402, 0.3425,  
0.3226

 14.0489, 0.3825,  
0.3129

217.5347, 0.3405,  
0.3230

 8.1547, 0.3965,  
0.3093

263.9068, 0.3388,  
0.3234

 4.1941, 0.4173,  
0.3036


316.4409, 0.3372,

 1.7827, 0.4517,


0.3238


0.2936


375.5213, 0.3359,  
0.3241

 0.4764, 0.5831,  
0.2725

 0.0000, 0.0000,  
0.0000


 64.6498, 0.3545,  
0.3198


 64.6498, 0.3545,  
0.3198

 53.2113, 0.3797,  
0.3157


 78.1782, 0.3341,  
0.3239

 43.7664, 0.4105,  
0.3118

 93.9028, 0.3177,  
0.3277

 36.1980, 0.4470,  
0.3086

100.0000, 0.3127,  
0.3290

 30.3804, 0.4886,  
0.3068

■ 26.1722, 0.5325,  
0.3072

■ 23.4104, 0.5740,  
0.3103

■ 21.8968, 0.6073,  
0.3161

■ 21.4024, 0.6227,  
0.3204

# Harmonies

## Analogous

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



64.6498, 0.3285, 0.2986



64.6498, 0.3545, 0.3198



64.6498, 0.3690, 0.3440

# Triad

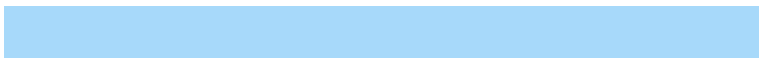
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.6498, 0.3545, 0.3198



64.6498, 0.3242, 0.3783



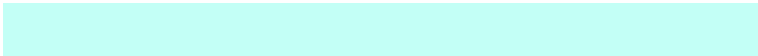
64.6498, 0.2605, 0.2900

# Complementary

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



64.6498, 0.3545, 0.3198



89.7727, 0.2824, 0.3385

# 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.



64.6498, 0.2596, 0.3098



64.6498, 0.3545, 0.3198



64.6498, 0.2955, 0.3625

# Square

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



64.6498, 0.3545, 0.3198



64.6498, 0.3508, 0.3790



64.6498, 0.2721, 0.3366



64.6498, 0.2746, 0.2814



# Rectangle

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



64.6498, 0.3545, 0.3198



64.6498, 0.3698, 0.3591



64.6498, 0.2721, 0.3366



64.6498, 0.2587, 0.2955

# Sweetspot

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



64.6469, 0.3545, 0.3198



88.1969, 0.3230, 0.3264



65.6583, 0.3080, 0.2689



18.6711, 0.3239, 0.3262



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.



64.6469, 0.3545, 0.3198



59.2857, 0.3651, 0.3180



73.7975, 0.3572, 0.3496



18.0316, 0.3271, 0.3254



11.1965, 0.6197, 0.3187



1.1027, 0.5927, 0.3039



# Inverse Universe

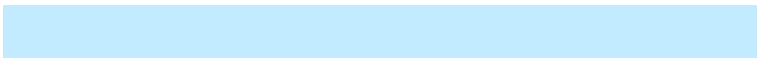
The Inverse Universe completely reimagines the original color for something new.



64.6469, 0.3545, 0.3198



59.2857, 0.3651, 0.3180



78.2358, 0.2761, 0.3074



18.0316, 0.3271, 0.3254



11.1965, 0.6197, 0.3187



1.1027, 0.5927, 0.3039



# Previews

## White Background



This preview shows how the Yxy color 64.6498, 0.3545, 0.3198 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

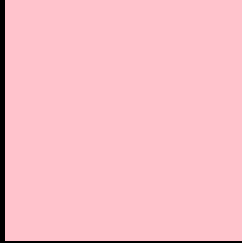
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.6498, 0.3545, 0.3198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

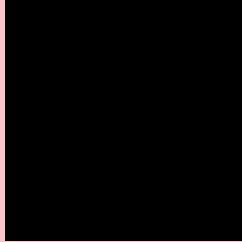
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.6498, 0.3545, 0.3198**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.6498, 0.3545, 0.3198.

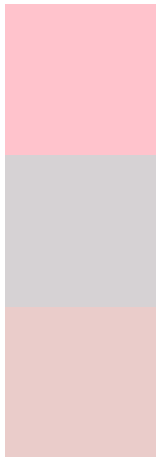


This preview shows how white text looks on a background with the Yxy color 64.6498, 0.3545, 0.3198.

# 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

64.6498, 0.3545, 0.3198

### Protanopia

65.1428, 0.3143, 0.3268

### Deuteranopia

64.9424, 0.3376, 0.3313



## Tritanopia

64.4470, 0.3506, 0.3137

# Trichromacy



## Original Color

64.6498, 0.3545, 0.3198

## Protanomaly

64.9241, 0.3283, 0.3247

## Deuteranomaly

64.9623, 0.3437, 0.3270

## Tritanomaly

64.3486, 0.3523, 0.3157

# Monochromacy



## Original Color

64.6498, 0.3545, 0.3198

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

65.9368, 0.3274, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6498, 0.3545, 0.3198 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6498, 0.3545, 0.3198 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, 204) }
```

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

```
.border{ border-color:rgb(255, 195, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6498, 0.3545, 0.3198 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, 204) }
```

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

```
.background{ background-color: rgb(255,  
195, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor