

# Converting Colors

$Yxy(68.9407, 0.3505, 0.3262)$

Have a look what the booklet for  
Yxy(68.9407, 0.3505, 0.3262)  
contains.

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# Color

**Yxy(68.9507, 0.3504, 0.3260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCCF
RGB	255, 204, 207
RGB Percent	100%, 80%, 81%
CMY	0.0000, 0.2001, 0.1882
CMYK	0.00, 0.20, 0.19, 0.00
HSL	356°, 100%, 90%
HSV	356°, 20%, 100%
XYZ	74.1114, 68.9507, 68.4431
YIQ	219.5910, 29.4330, 11.7450

# Conversions

## Conversions Part 2

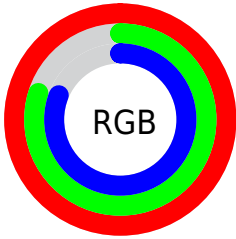
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 204, 207
Decimal	16764111
CIE Lab	86.48, 18.48, 5.36
CIE LCh	86, 19.246, 16.184
Yxy	68.9507, 0.3504, 0.3260
Android (android.graphics.Color)	4294954191 (0xFFFFCCCF)
YUV	219.5910, -6.2074, 31.0537
Hunter-Lab	83.0366, 14.0001, 9.2557

# Details

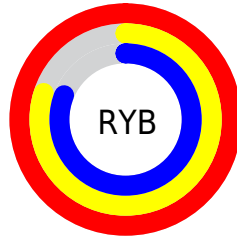
The Yxy color **68.9507, 0.3504, 0.3260** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91.3812, 0.2843, 0.3321**, and the grayscale version is **71.2920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.1184, 0.3596, 0.3252** is the 20% darker color. If you saturate the color by 10%, you get **56.7136, 0.3764, 0.3244**, and if you desaturate by 10%, it is **83.3359, 0.3294, 0.3276**.

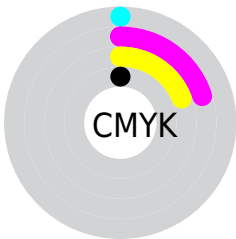
# Distribution



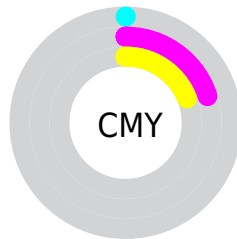
- Red (100%)
- Green (80%)
- Blue (81%)



- Red (100%)
- Yellow (80%)
- Blue (81%)



- Cyan (0%)
- Magenta (20%)
- Yellow (19%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9507, 0.3504, 0.3260 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 68.9507, 0.3504, 0.3260 by changing the saturation by 10% instead.



 68.9507, 0.3504,  
0.3260

 68.9507, 0.3504,  
0.3260


456.8571, 0.3327,  
0.3276

 50.6716, 0.3545,  
0.3256


117.7112, 0.3442,  
0.3266

 35.9473, 0.3597,  
0.3250

148.9613, 0.3418,  
0.3268

 24.3935, 0.3662,  
0.3243


185.3038, 0.3397,  
0.3270

 15.6258, 0.3749,  
0.3232

227.1232, 0.3380,  
0.3272

 9.2597, 0.3869,  
0.3216

274.8038, 0.3364,  
0.3273

 4.9110, 0.4046,  
0.3190


328.7301, 0.3350,


 2.1951, 0.4331,


0.3274

0.3141


389.2864, 0.3338,  
0.3275


 0.7173, 0.5097,  
0.3131


 0.0000, 1.0000,  
0.0000

 68.9507, 0.3504,  
0.3260


 68.9507, 0.3504,  
0.3260

 56.7136, 0.3764,  
0.3244


 83.3359, 0.3294,  
0.3276

 46.5418, 0.4086,  
0.3229

99.9882, 0.3127,  
0.3290

 38.3149, 0.4472,  
0.3217

100.0000, 0.3127,  
0.3290

 31.9088, 0.4915,  
0.3210

■ 27.1854, 0.5385,  
0.3212

■ 23.9863, 0.5825,  
0.3225

■ 22.1234, 0.6164,  
0.3250

■ 21.2949, 0.6357,  
0.3276

# Harmonies

## Analogous

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



68.9507, 0.3309, 0.3075



68.9507, 0.3504, 0.3260



68.9507, 0.3594, 0.3459

# Triad

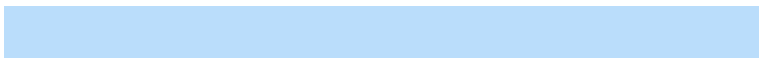
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.9507, 0.3504, 0.3260



68.9507, 0.3170, 0.3671



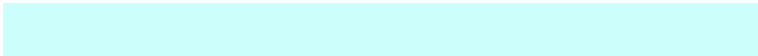
68.9507, 0.2715, 0.2947

# Complementary

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



68.9507, 0.3504, 0.3260



91.3812, 0.2843, 0.3321

# 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.



68.9507, 0.2682, 0.3093



68.9507, 0.3504, 0.3260



68.9507, 0.2939, 0.3520

# Square

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



68.9507, 0.3504, 0.3260



68.9507, 0.3396, 0.3707



68.9507, 0.2762, 0.3303



68.9507, 0.2854, 0.2896



# Rectangle

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



68.9507, 0.3504, 0.3260



68.9507, 0.3582, 0.3576



68.9507, 0.2762, 0.3303



68.9507, 0.2691, 0.2986

# Sweetspot

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



68.9435, 0.3504, 0.3260



89.7312, 0.3223, 0.3281



71.0184, 0.3126, 0.2787



18.9777, 0.3234, 0.3280



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.



68.9435, 0.3504, 0.3260



63.8059, 0.3601, 0.3254



80.0608, 0.3484, 0.3514



18.0046, 0.3285, 0.3276



11.1338, 0.6341, 0.3267



1.0899, 0.6202, 0.3190



# Inverse Universe

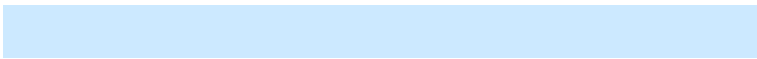
The Inverse Universe completely reimagines the original color for something new.



68.9435, 0.3504, 0.3260



63.8059, 0.3601, 0.3254



78.2721, 0.2812, 0.3055



18.0046, 0.3285, 0.3276



11.1338, 0.6341, 0.3267

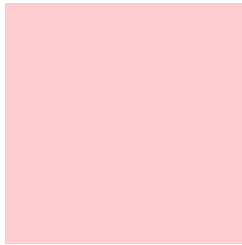


1.0899, 0.6202, 0.3190



# Previews

## White Background



This preview shows how the Yxy color 68.9507, 0.3504, 0.3260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

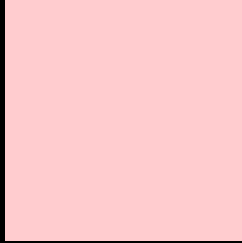
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.9507, 0.3504, 0.3260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

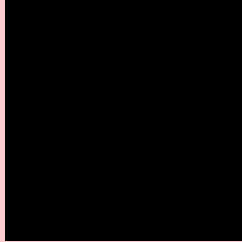
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.9507, 0.3504, 0.3260**

## Background



This preview shows how black text looks on a background with the Yxy color 68.9507, 0.3504, 0.3260.



This preview shows how white text looks on a background with the Yxy color 68.9507, 0.3504, 0.3260.

# 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

68.9507, 0.3504, 0.3260

### Protanopia

69.3389, 0.3177, 0.3312

### Deuteranopia

68.9344, 0.3401, 0.3323



## Tritanopia

69.0338, 0.3421, 0.3138

# Trichromacy



## Original Color

68.9507, 0.3504, 0.3260

## Protanomaly

69.1138, 0.3291, 0.3301

## Deuteranomaly

68.8560, 0.3443, 0.3301

## Tritanomaly

68.8269, 0.3451, 0.3179

# Monochromacy



## Original Color

68.9507, 0.3504, 0.3260

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

70.3231, 0.3261, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.9507, 0.3504, 0.3260 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, 204, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 207)  
}
```

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, 204, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 68.9507, 0.3504, 0.3260 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, 204, 207) }
```

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

```
.border{ border-color:rgb(255, 204, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.9507, 0.3504, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 207) }
```

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

```
.background{ background-color: rgb(255,  
204, 207) }
```

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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