

# Converting Colors

$Y_{xy}(65.7036, 0.3470, 0.3121)$

Have a look what the booklet for  
Yxy(65.7036, 0.3470, 0.3121)  
contains.

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# Color

**Yxy(65.5440, 0.3471, 0.3117)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4D5
RGB	255, 196, 213
RGB Percent	100%, 77%, 84%
CMY	0.0000, 0.2313, 0.1647
CMYK	0.00, 0.23, 0.16, 0.00
HSL	343°, 100%, 88%
HSV	343°, 23%, 100%
XYZ	72.9879, 65.5440, 71.7472
YIQ	215.5790, 29.7070, 17.7950

# Conversions

## Conversions Part 2

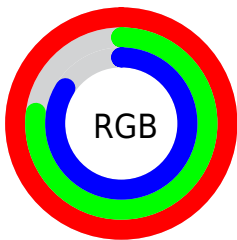
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 196, 213
Decimal	16762069
CIE Lab	84.76, 23.54, -0.31
CIE LCh	85, 23.546, 359.249
Yxy	65.5440, 0.3471, 0.3117
Android (android.graphics.Color)	4294952149 (0xFFFFC4D5)
YUV	215.5790, -1.2714, 34.5722
Hunter-Lab	80.9592, 19.2459, 4.1278

# Details

The Yxy color **65.5440, 0.3471, 0.3117** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.4290, 0.2871, 0.3471**, and the grayscale version is **68.3632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **33.8204, 0.3565, 0.3081** is the 20% darker color. If you saturate the color by 10%, you get **54.1327, 0.3678, 0.3038**, and if you desaturate by 10%, it is **79.0194, 0.3302, 0.3195**.

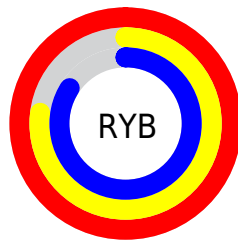
# Distribution



Red (100%)

Green (77%)

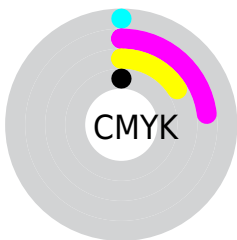
Blue (84%)



Red (100%)

Yellow (77%)

Blue (84%)

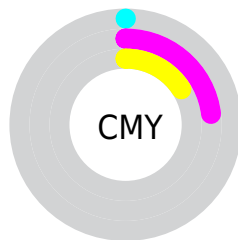


Cyan (0%)

Magenta (23%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (23%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.5440, 0.3471, 0.3117 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 65.5440, 0.3471, 0.3117 by changing the saturation by 10% instead.



65.5440, 0.3471,  
0.3117

65.5440, 0.3471,  
0.3117

444.7443, 0.3309,  
0.3199

47.9023, 0.3509,  
0.3098

112.8316, 0.3414,  
0.3146

33.7495, 0.3556,  
0.3074

143.2463, 0.3392,  
0.3157

22.7013, 0.3616,  
0.3044

178.6875, 0.3373,  
0.3166

14.3731, 0.3696,  
0.3004

219.5396, 0.3357,  
0.3174

8.3806, 0.3808,  
0.2948

266.1869, 0.3343,  
0.3182

4.3394, 0.3972,  
0.2866

319.0138, 0.3330,

1.8652, 0.4240,

0.3188

0.2732

378.4048, 0.3319,  
0.3194

0.5273, 0.4944,  
0.2374

0.0000, 1.0000,  
0.0000

65.5440, 0.3471,  
0.3117

65.5440, 0.3471,  
0.3117

54.1327, 0.3678,  
0.3038

79.0194, 0.3302,  
0.3195

44.6744, 0.3929,  
0.2961

94.6450, 0.3165,  
0.3268

37.0611, 0.4226,  
0.2894

99.9994, 0.3127,  
0.3290

31.1705, 0.4566,  
0.2847

■ 26.8656, 0.4937,  
0.2830

■ 23.9881, 0.5311,  
0.2857

■ 22.3462, 0.5653,  
0.2929

■ 21.7458, 0.5853,  
0.2998

# Harmonies

## Analogous

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



65.5440, 0.3185, 0.2923



65.5440, 0.3471, 0.3117



65.5440, 0.3666, 0.3358

# Triad

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



65.5440, 0.3471, 0.3117



65.5440, 0.3343, 0.3812



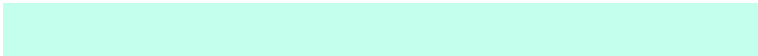
65.5440, 0.2578, 0.2951

# Complementary

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



65.5440, 0.3471, 0.3117



89.4290, 0.2871, 0.3471

# 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.



65.5440, 0.2616, 0.3183



65.5440, 0.3471, 0.3117



65.5440, 0.3049, 0.3702

# Square

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



65.5440, 0.3471, 0.3117



65.5440, 0.3586, 0.3765



65.5440, 0.2785, 0.3464



65.5440, 0.2677, 0.2823



# Rectangle

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



65.5440, 0.3471, 0.3117



65.5440, 0.3713, 0.3519



65.5440, 0.2785, 0.3464



65.5440, 0.2575, 0.3018

# Sweetspot

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



65.5470, 0.3471, 0.3117



88.3434, 0.3214, 0.3240



64.7601, 0.3023, 0.2689



18.7049, 0.3222, 0.3236



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.



65.5470, 0.3471, 0.3117



59.7420, 0.3567, 0.3078



70.2629, 0.3580, 0.3413



18.0731, 0.3249, 0.3222



11.3852, 0.5811, 0.2975



1.1265, 0.5491, 0.2799



# Inverse Universe

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



65.5470, 0.3471, 0.3117



59.7420, 0.3567, 0.3078



83.1773, 0.2774, 0.3164



18.0731, 0.3249, 0.3222



11.3852, 0.5811, 0.2975



1.1265, 0.5491, 0.2799



# Previews

## White Background



This preview shows how the Yxy color 65.5440, 0.3471, 0.3117 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

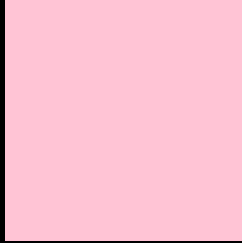
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.5440, 0.3471, 0.3117 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

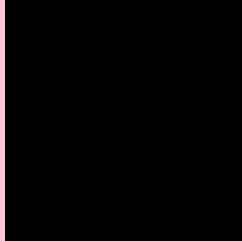
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.5440, 0.3471, 0.3117**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.5440, 0.3471, 0.3117.



This preview shows how white text looks on a background with the Yxy color 65.5440, 0.3471, 0.3117.

# 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

65.5440, 0.3471, 0.3117

### Protanopia

66.0086, 0.3067, 0.3167

### Deuteranopia

65.5216, 0.3292, 0.3225



## Tritanopia

65.4430, 0.3487, 0.3137

# Trichromacy



## Original Color

65.5440, 0.3471, 0.3117

## Protanomaly

65.7511, 0.3202, 0.3149

## Deuteranomaly

65.5198, 0.3350, 0.3184

## Tritanomaly

65.4933, 0.3479, 0.3127

# Monochromacy



## Original Color

65.5440, 0.3471, 0.3117

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

67.3302, 0.3243, 0.3225

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.5440, 0.3471, 0.3117 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 65.5440, 0.3471, 0.3117 is called "border". The border property can be set on classes, ids or directly on the HTML element.

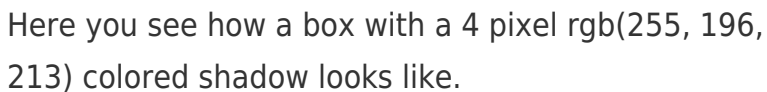
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 196, 213) }
```

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

```
.border{ border-color:rgb(255, 196, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 196, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 196, 213); box-shadow:4px 4px 4px 4px rgb(255, 196, 213) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.5440, 0.3471, 0.3117 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, 213) }
```

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

```
.background{ background-color: rgb(255,  
196, 213) }
```

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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