

# Converting Colors

Yxy(66.5708, 0.3512, 0.3207)

Have a look what the booklet for  
Yxy(66.5708, 0.3512, 0.3207)  
contains.

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# Color

**Yxy(66.6118, 0.3513, 0.3209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC7CF
RGB	255, 199, 207
RGB Percent	100%, 78%, 81%
CMY	0.0000, 0.2196, 0.1882
CMYK	0.00, 0.22, 0.19, 0.00
HSL	351°, 100%, 89%
HSV	351°, 22%, 100%
XYZ	72.9222, 66.6118, 68.0441
YIQ	216.6560, 30.8080, 14.3600

# Conversions

## Conversions Part 2

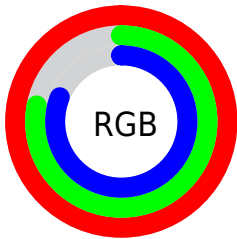
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 199, 207
Decimal	16762831
CIE Lab	85.31, 21.06, 3.68
CIE LCh	85, 21.379, 9.904
Yxy	66.6118, 0.3513, 0.3209
Android (android.graphics.Color)	4294952911 (0xFFFFC7CF)
YUV	216.6560, -4.7604, 33.6277
Hunter-Lab	81.6161, 16.6578, 7.7006

# Details

The Yxy color **66.6118, 0.3513, 0.3209** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.3714, 0.2841, 0.3373**, and the grayscale version is **69.1590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.5565, 0.3611, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **54.8506, 0.3759, 0.3170**, and if you desaturate by 10%, it is **80.4931, 0.3314, 0.3247**.

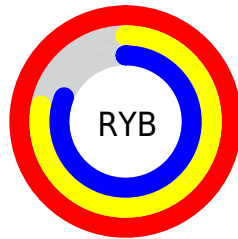
# Distribution



Red (100%)

Green (78%)

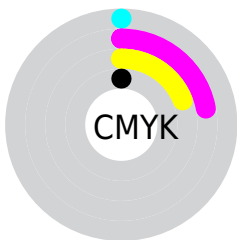
Blue (81%)



Red (100%)

Yellow (78%)

Blue (81%)

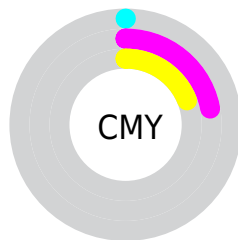


Cyan (0%)

Magenta (22%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6118, 0.3513, 0.3209 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 66.6118, 0.3513, 0.3209 by changing the saturation by 10% instead.



 66.6118, 0.3513,  
0.3209

 66.6118, 0.3513,  
0.3209


448.5617, 0.3331,  
0.3249

 48.7692, 0.3556,  
0.3199

114.3640, 0.3449,  
0.3223

 34.4364, 0.3609,  
0.3187


145.0424, 0.3424,  
0.3229

 23.2291, 0.3677,  
0.3171


180.7682, 0.3403,  
0.3233

 14.7628, 0.3767,  
0.3149

221.9257, 0.3385,  
0.3237

 8.6531, 0.3893,  
0.3118

268.8995, 0.3369,  
0.3241

 4.5156, 0.4080,  
0.3069


322.0738, 0.3355,


 1.9659, 0.4384,


0.3244


0.2985


381.8331, 0.3342,  
0.3246


 0.5876, 0.5300,  
0.2846


 0.0000, 1.0000,  
0.0000


 66.6118, 0.3513,  
0.3209


 66.6118, 0.3513,  
0.3209

 54.8506, 0.3759,  
0.3170


 80.4931, 0.3314,  
0.3247

 45.0963, 0.4061,  
0.3132

 96.5820, 0.3154,  
0.3283

 37.2392, 0.4422,  
0.3101

99.9977, 0.3127,  
0.3290

 31.1555, 0.4834,  
0.3082

■ 26.7065, 0.5276,  
0.3082

■ 23.7327, 0.5700,  
0.3109

■ 22.0427, 0.6047,  
0.3161

■ 21.3874, 0.6242,  
0.3212

# Harmonies

## Analogous

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



66.6118, 0.3276, 0.3012



66.6118, 0.3513, 0.3209



66.6118, 0.3644, 0.3432

# Triad

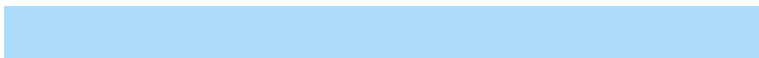
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.6118, 0.3513, 0.3209



66.6118, 0.3230, 0.3740



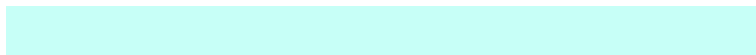
66.6118, 0.2647, 0.2930

# Complementary

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



66.6118, 0.3513, 0.3209



90.3714, 0.2841, 0.3373

# 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.



66.6118, 0.2637, 0.3112



66.6118, 0.3513, 0.3209



66.6118, 0.2966, 0.3594

# Square

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



66.6118, 0.3513, 0.3209



66.6118, 0.3474, 0.3749



66.6118, 0.2751, 0.3357



66.6118, 0.2779, 0.2852



# Rectangle

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



66.6118, 0.3513, 0.3209



66.6118, 0.3650, 0.3571



66.6118, 0.2751, 0.3357



66.6118, 0.2630, 0.2981

# Sweetspot

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



66.6148, 0.3513, 0.3209



88.1886, 0.3231, 0.3265



67.7714, 0.3091, 0.2732



18.6692, 0.3240, 0.3263



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

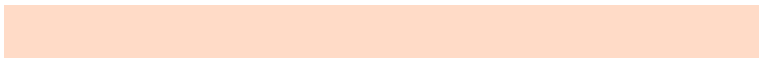
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.6148, 0.3513, 0.3209



61.6109, 0.3606, 0.3193



75.8380, 0.3534, 0.3491



18.0293, 0.3272, 0.3256



11.1893, 0.6213, 0.3196



1.1016, 0.5950, 0.3051



# Inverse Universe

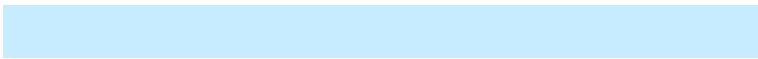
The Inverse Universe completely reimagines the original color for something new.



66.6148, 0.3513, 0.3209



61.6109, 0.3606, 0.3193



79.0067, 0.2784, 0.3080



18.0293, 0.3272, 0.3256



11.1893, 0.6213, 0.3196



1.1016, 0.5950, 0.3051



# Previews

## White Background



This preview shows how the Yxy color 66.6118, 0.3513, 0.3209 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

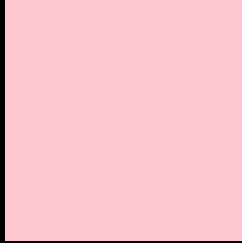
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.6118, 0.3513, 0.3209 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 66.6118, 0.3513, 0.3209**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.6118, 0.3513, 0.3209.

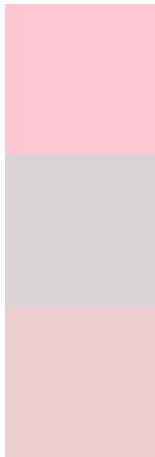


This preview shows how white text looks on a background with the Yxy color 66.6118, 0.3513, 0.3209.

# 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

66.6118, 0.3513, 0.3209

### Protanopia

66.7450, 0.3143, 0.3257

### Deuteranopia

66.6034, 0.3366, 0.3291



## Tritanopia

66.4523, 0.3468, 0.3137

# Trichromacy



## Original Color

66.6118, 0.3513, 0.3209

## Protanomaly

66.3680, 0.3274, 0.3236

## Deuteranomaly

66.4012, 0.3426, 0.3259

## Tritanomaly

66.3513, 0.3483, 0.3158

# Monochromacy



## Original Color

66.6118, 0.3513, 0.3209

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

67.8862, 0.3264, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.6118, 0.3513, 0.3209 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, 199, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 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, 199, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 66.6118, 0.3513, 0.3209 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, 199, 207) }
```

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

```
.border{ border-color:rgb(255, 199, 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, 199, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.6118, 0.3513, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 207) }
```

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

```
.background{ background-color: rgb(255,  
199, 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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