

# Converting Colors

$Y_{xy}(100.5175, 0.4445, 0.3229)$

Have a look what the booklet for  
Yxy(100.5175, 0.4445, 0.3229)  
contains.

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# Color

**Yxy(67.1720, 0.3495, 0.3199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC8D1
RGB	255, 200, 209
RGB Percent	100%, 78%, 82%
CMY	0.0002, 0.2156, 0.1804
CMYK	0.00, 0.22, 0.18, 0.00
HSL	350°, 100%, 89%
HSV	350°, 22%, 100%
XYZ	73.3874, 67.1720, 69.4188
YIQ	217.4710, 29.8910, 14.4590

# Conversions

## Conversions Part 2

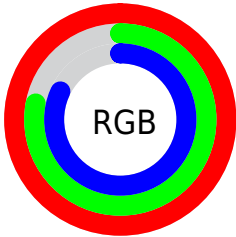
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 200, 209
Decimal	16763089
CIE Lab	85.59, 20.81, 3.02
CIE LCh	86, 21.029, 8.261
Yxy	67.1720, 0.3495, 0.3199
Android (android.graphics.Color)	4294953169 (0xFFFFC8D1)
YUV	217.4710, -4.1762, 32.9129
Hunter-Lab	81.9585, 16.4052, 7.1524

# Details

The Yxy color **67.1720, 0.3495, 0.3199** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.4198, 0.2852, 0.3384**, and the grayscale version is **69.7414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.9301, 0.3587, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **55.3453, 0.3733, 0.3154**, and if you desaturate by 10%, it is **81.1152, 0.3303, 0.3243**.

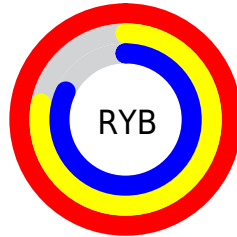
# Distribution



Red (100%)

Green (78%)

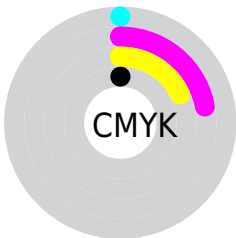
Blue (82%)



Red (100%)

Yellow (78%)

Blue (82%)

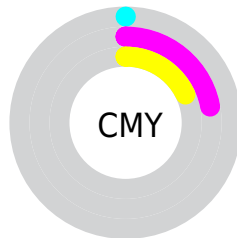


Cyan (0%)

Magenta (22%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1720, 0.3495, 0.3199 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 67.1720, 0.3495, 0.3199 by changing the saturation by 10% instead.




 67.1720, 0.3495,  
0.3199

 67.1720, 0.3495,  
0.3199


450.5568, 0.3322,  
0.3243

 49.2244, 0.3535,  
0.3188


115.1668, 0.3434,  
0.3215

 34.7975, 0.3586,  
0.3175


145.9829, 0.3411,  
0.3221

 23.5070, 0.3650,  
0.3158


181.8572, 0.3391,  
0.3226

 14.9683, 0.3736,  
0.3134

223.1742, 0.3373,  
0.3230

 8.7971, 0.3855,  
0.3101

270.3182, 0.3358,  
0.3234

 4.6091, 0.4031,  
0.3050


323.6738, 0.3344,


 2.0198, 0.4316,


0.3238


0.2964


383.6251, 0.3332,  
0.3241


 0.6189, 0.5094,  
0.2808


 0.0000, 1.0000,  
0.0000

 67.1720, 0.3495,  
0.3199


 67.1720, 0.3495,  
0.3199


 55.3453, 0.3733,  
0.3154

 81.1152, 0.3303,  
0.3243

 45.5229, 0.4024,  
0.3111

 97.2618, 0.3148,  
0.3284

 37.5959, 0.4373,  
0.3074

 99.9894, 0.3127,  
0.3290

 31.4417, 0.4773,  
0.3050

■ 26.9229, 0.5205,  
0.3047

■ 23.8819, 0.5627,  
0.3074

■ 22.1299, 0.5983,  
0.3130

■ 21.4141, 0.6200,  
0.3189

# Harmonies

## Analogous

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



67.1720, 0.3259, 0.3008



67.1720, 0.3495, 0.3199



67.1720, 0.3630, 0.3418

# Triad

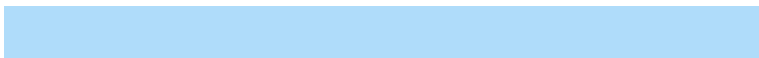
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.1720, 0.3495, 0.3199



67.1720, 0.3243, 0.3735



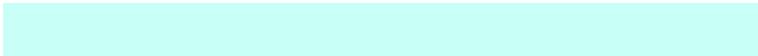
67.1720, 0.2652, 0.2945

# Complementary

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



67.1720, 0.3495, 0.3199



90.4198, 0.2852, 0.3384

# 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.



67.1720, 0.2649, 0.3128



67.1720, 0.3495, 0.3199



67.1720, 0.2983, 0.3599

# Square

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



67.1720, 0.3495, 0.3199



67.1720, 0.3479, 0.3737



67.1720, 0.2768, 0.3370



67.1720, 0.2776, 0.2861



# Rectangle

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



67.1720, 0.3495, 0.3199



67.1720, 0.3642, 0.3556



67.1720, 0.2768, 0.3370



67.1720, 0.2637, 0.2996

# Sweetspot

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



67.1751, 0.3495, 0.3199



89.8265, 0.3213, 0.3266



68.0937, 0.3085, 0.2741



19.0001, 0.3223, 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.



67.1751, 0.3495, 0.3199



61.6745, 0.3595, 0.3179



75.7373, 0.3527, 0.3478



18.0355, 0.3269, 0.3251



11.2090, 0.6169, 0.3172



1.1045, 0.5891, 0.3019



# Inverse Universe

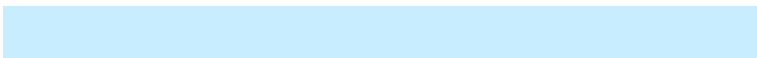
The Inverse Universe completely reimagines the original color for something new.



67.1751, 0.3495, 0.3199



61.6745, 0.3595, 0.3179



79.8594, 0.2792, 0.3094



18.0355, 0.3269, 0.3251



11.2090, 0.6169, 0.3172

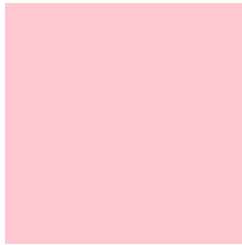


1.1045, 0.5891, 0.3019



# Previews

## White Background



This preview shows how the Yxy color 67.1720, 0.3495, 0.3199 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

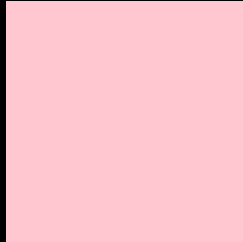
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.1720, 0.3495, 0.3199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

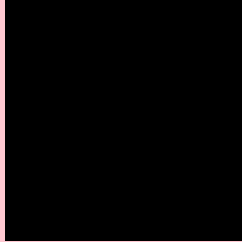
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.1720, 0.3495, 0.3199**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1720, 0.3495, 0.3199.

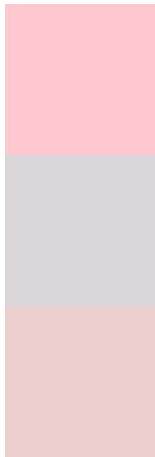


This preview shows how white text looks on a background with the Yxy color 67.1720, 0.3495, 0.3199.

# 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

67.1720, 0.3495, 0.3199

### Protanopia

67.2981, 0.3136, 0.3257

### Deuteranopia

67.1842, 0.3350, 0.3280



## Tritanopia

67.0131, 0.3450, 0.3128

# Trichromacy



## Original Color

67.1720, 0.3495, 0.3199

## Protanomaly

66.9048, 0.3266, 0.3236

## Deuteranomaly

66.9729, 0.3409, 0.3249

## Tritanomaly

66.9109, 0.3466, 0.3148

# Monochromacy



## Original Color

67.1720, 0.3495, 0.3199

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

68.4325, 0.3256, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.1720, 0.3495, 0.3199 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, 200, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 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, 200, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 67.1720, 0.3495, 0.3199 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, 200, 209) }
```

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

```
.border{ border-color:rgb(255, 200, 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, 200, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 200, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 200, 209); box-shadow:4px 4px 4px 4px rgb(255, 200, 209) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.1720, 0.3495, 0.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 209) }
```

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

```
.background{ background-color: rgb(255,  
200, 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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