

# Converting Colors

$Y_{xy}(65.1574, 0.3385, 0.2980)$

Have a look what the booklet for  
Yxy(65.1574, 0.3385, 0.2980)  
contains.

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# Color

**Yxy(65.2254, 0.3387, 0.2986)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2E0
RGB	255, 194, 224
RGB Percent	100%, 76%, 88%
CMY	0.0001, 0.2392, 0.1215
CMYK	0.00, 0.24, 0.12, 0.00
HSL	330°, 100%, 88%
HSV	330°, 24%, 100%
XYZ	73.9847, 65.2254, 79.2272
YIQ	215.6590, 26.7260, 22.2620

# Conversions

## Conversions Part 2

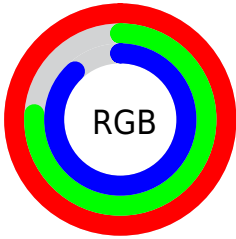
Format	Color
R <sub>Y</sub> B	255, 194, 224
Decimal	16761568
CIE Lab	84.60, 26.32, -6.44
CIE LCh	85, 27.100, 346.253
Yxy	65.2254, 0.3387, 0.2986
Android (android.graphics.Color)	4294951648 (0xFFFFC2E0)
YUV	215.6590, 4.1121, 34.5021
Hunter-Lab	80.7622, 22.1865, -1.6295

# Details

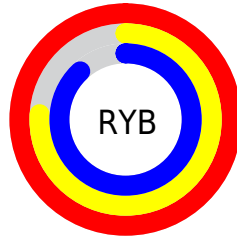
The Yxy color  $65.2254, 0.3387, 0.2986$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $88.4166, 0.2928, 0.3616$ , and the grayscale version is  $68.3853, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.4744, 0.3129, 0.3252$ , and  $33.6265, 0.3452, 0.2914$  is the 20% darker color. If you saturate the color by 10%, you get  $54.1587, 0.3534, 0.2853$ , and if you desaturate by 10%, it is  $78.2988, 0.3264, 0.3117$ .

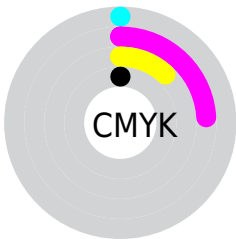
# Distribution



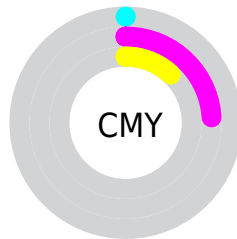
- Red (100%)
- Green (76%)
- Blue (88%)



- Red (100%)
- Yellow (76%)
- Blue (88%)



- Cyan (0%)
- Magenta (24%)
- Yellow (12%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.2254, 0.3387, 0.2986 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 65.2254, 0.3387, 0.2986 by changing the saturation by 10% instead.





 65.2254, 0.3387,  
0.2986

 65.2254, 0.3387,  
0.2986

443.6015, 0.3266,  
0.3126

 47.6439, 0.3415,  
0.2954

 112.3739, 0.3345,  
0.3034

 33.5449, 0.3449,  
0.2915

142.7096, 0.3329,  
0.3053

 22.5442, 0.3493,  
0.2865


178.0655, 0.3315,  
0.3070

 14.2573, 0.3551,  
0.2801

218.8259, 0.3302,  
0.3084

 8.2999, 0.3629,  
0.2713

265.3754, 0.3292,  
0.3096

 4.2874, 0.3744,  
0.2587

318.0982, 0.3282,

 1.8356, 0.3926,

0.3107

0.2393

377.3788, 0.3274,  
0.3117

0.5092, 0.4337,  
0.1904

0.0000, 1.0000,  
0.0000

65.2254, 0.3387,  
0.2986

65.2254, 0.3387,  
0.2986

54.1587, 0.3534,  
0.2853

78.2988, 0.3264,  
0.3117

44.9892, 0.3708,  
0.2723

93.4634, 0.3162,  
0.3243

37.6104, 0.3910,  
0.2606

99.9974, 0.3127,  
0.3290

31.9018, 0.4137,  
0.2513

■ 27.7276, 0.4384,  
0.2456

■ 24.9304, 0.4640,  
0.2448

■ 23.3182, 0.4889,  
0.2496

■ 22.7511, 0.5035,  
0.2547

# Harmonies

## Analogous

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



65.2254, 0.3043, 0.2804



65.2254, 0.3387, 0.2986



65.2254, 0.3670, 0.3242

# Triad

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



65.2254, 0.3387, 0.2986



65.2254, 0.3507, 0.3891



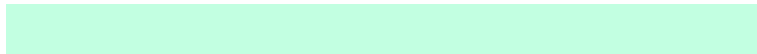
65.2254, 0.2498, 0.3000

# Complementary

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



65.2254, 0.3387, 0.2986



88.4166, 0.2928, 0.3616

# 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.



65.2254, 0.2608, 0.3303



65.2254, 0.3387, 0.2986



65.2254, 0.3182, 0.3846

# Square

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



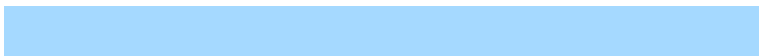
65.2254, 0.3387, 0.2986



65.2254, 0.3738, 0.3762



65.2254, 0.2854, 0.3624



65.2254, 0.2544, 0.2799



# Rectangle

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



65.2254, 0.3387, 0.2986



65.2254, 0.3778, 0.3430



65.2254, 0.2854, 0.3624



65.2254, 0.2517, 0.3093

# Sweetspot

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



65.2283, 0.3387, 0.2986



88.5652, 0.3191, 0.3205



61.7339, 0.2930, 0.2651



18.7562, 0.3197, 0.3197



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.



65.2283, 0.3387, 0.2986



59.3613, 0.3459, 0.2918



63.7407, 0.3629, 0.3291



18.1362, 0.3217, 0.3174



11.9194, 0.4997, 0.2527



1.1826, 0.4739, 0.2384



# Inverse Universe

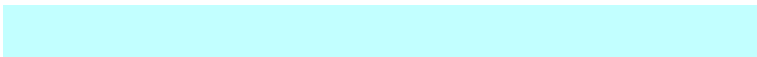
The Inverse Universe completely reimagines the original color for something new.



65.2283, 0.3387, 0.2986



59.3613, 0.3459, 0.2918



90.2010, 0.2773, 0.3289



18.1362, 0.3217, 0.3174



11.9194, 0.4997, 0.2527



1.1826, 0.4739, 0.2384



# Previews

## White Background



This preview shows how the Yxy color 65.2254, 0.3387, 0.2986 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

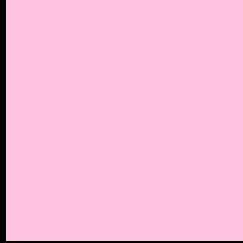
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.2254, 0.3387, 0.2986 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

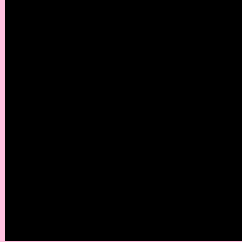
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.2254, 0.3387, 0.2986**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.2254, 0.3387, 0.2986.



This preview shows how white text looks on a background with the Yxy color 65.2254, 0.3387, 0.2986.

# 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

65.2254, 0.3387, 0.2986

### Protanopia

65.5890, 0.2960, 0.3024

### Deuteranopia

65.2675, 0.3174, 0.3106



## Tritanopia

65.0657, 0.3471, 0.3136

# Trichromacy



## Original Color

65.2254, 0.3387, 0.2986

## Protanomaly

65.0677, 0.3110, 0.3010

## Deuteranomaly

65.1055, 0.3246, 0.3057

## Tritanomaly

65.0589, 0.3441, 0.3076

# Monochromacy



## Original Color

65.2254, 0.3387, 0.2986

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

67.0492, 0.3215, 0.3172

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.2254, 0.3387, 0.2986 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, 194, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 224)  
}
```

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, 194, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 65.2254, 0.3387, 0.2986 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, 194, 224) }
```

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

```
.border{ border-color:rgb(255, 194, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.2254, 0.3387, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 224) }
```

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

```
.background{ background-color: rgb(255,  
194, 224) }
```

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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