

# Converting Colors

$Y_{xy}(65.9048, 0.3286, 0.2859)$

Have a look what the booklet for  
Yxy(65.9048, 0.3286, 0.2859)  
contains.

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# **Color**

**Yxy(65.9580, 0.3287, 0.2860)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2ED
RGB	255, 194, 237
RGB Percent	100%, 76%, 93%
CMY	0.0002, 0.2391, 0.0706
CMYK	0.00, 0.24, 0.07, 0.00
HSL	318°, 100%, 88%
HSV	318°, 24%, 100%
XYZ	75.8056, 65.9580, 88.8588
YIQ	217.1410, 22.5530, 26.3050

# Conversions

## Conversions Part 2

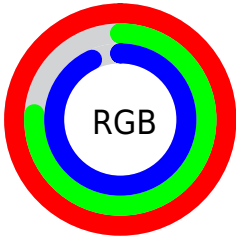
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 194, 237
Decimal	16761581
CIE <sub>Lab</sub>	84.97, 28.45, -12.81
CIE <sub>LCh</sub>	85, 31.198, 335.767
Yxy	65.9580, 0.3287, 0.2860
Android (android.graphics.Color)	4294951661 (0xFFFFC2ED)
YUV	217.1410, 9.7905, 33.2023
Hunter-Lab	81.2145, 24.4863, -8.0205

# Details

The Yxy color  $65.9580, 0.3287, 0.2860$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $87.7163, 0.2998, 0.3763$ , and the grayscale version is  $69.4101, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.4744, 0.3129, 0.3252$ , and  $34.0981, 0.3327, 0.2767$  is the 20% darker color. If you saturate the color by 10%, you get  $55.1374, 0.3373, 0.2675$ , and if you desaturate by 10%, it is  $78.7497, 0.3213, 0.3044$ .

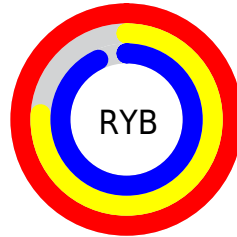
# Distribution



Red (100%)

Green (76%)

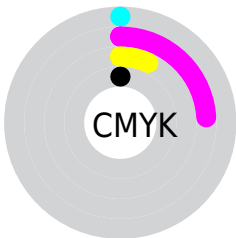
Blue (93%)



Red (100%)

Yellow (76%)

Blue (93%)

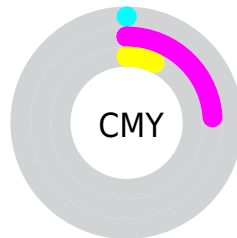


Cyan (0%)

Magenta (24%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9580, 0.3287, 0.2860 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 65.9580, 0.3287, 0.2860 by changing the saturation by 10% instead.




 65.9580, 0.3287,  
0.2860

 65.9580, 0.3287,  
0.2860


446.2267, 0.3215,  
0.3055

 48.2383, 0.3303,  
0.2816


 113.4260, 0.3263,  
0.2927

 34.0156, 0.3322,  
0.2763


143.9432, 0.3253,  
0.2953

 22.9056, 0.3346,  
0.2696


179.4950, 0.3245,  
0.2976

 14.5238, 0.3377,  
0.2610

220.4657, 0.3237,  
0.2996

 8.4859, 0.3418,  
0.2496

267.2399, 0.3231,  
0.3013

 4.4074, 0.3474,  
0.2335

320.2018, 0.3225,

 1.9040, 0.3556,

0.3029

0.2096

379.7359, 0.3220,  
0.3043

0.5508, 0.3727,  
0.1608

0.0000, 0.3640,  
0.0000

65.9580, 0.3287,  
0.2860

65.9580, 0.3287,  
0.2860

55.1374, 0.3373,  
0.2675

78.7497, 0.3213,  
0.3044

46.1796, 0.3471,  
0.2496

93.5961, 0.3149,  
0.3223

38.9790, 0.3581,  
0.2332

99.9915, 0.3127,  
0.3290

33.4162, 0.3699,  
0.2195

■ 29.3565, 0.3824,  
0.2096

■ 26.6439, 0.3950,  
0.2043

■ 25.0876, 0.4074,  
0.2040

■ 24.5403, 0.4148,  
0.2059

# Harmonies

## Analogous

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



65.9580, 0.2897, 0.2695



65.9580, 0.3287, 0.2860



65.9580, 0.3652, 0.3125

# Triad

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



65.9580, 0.3287, 0.2860



65.9580, 0.3670, 0.3946



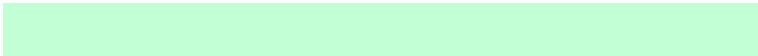
65.9580, 0.2434, 0.3065

# Complementary

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



65.9580, 0.3287, 0.2860



87.7163, 0.2998, 0.3763

# 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.



65.9580, 0.2616, 0.3436



65.9580, 0.3287, 0.2860



65.9580, 0.3323, 0.3975

# Square

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



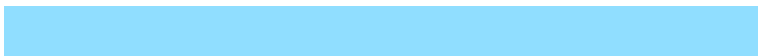
65.9580, 0.3287, 0.2860



65.9580, 0.3877, 0.3739



65.9580, 0.2937, 0.3785



65.9580, 0.2425, 0.2790



# Rectangle

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



65.9580, 0.3287, 0.2860



65.9580, 0.3822, 0.3333



65.9580, 0.2937, 0.3785



65.9580, 0.2476, 0.3183

# Sweetspot

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



65.9609, 0.3287, 0.2860



88.8012, 0.3168, 0.3168



59.7035, 0.2836, 0.2634



18.8109, 0.3171, 0.3158



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.



65.9609, 0.3287, 0.2860



60.2235, 0.3329, 0.2765



64.3624, 0.3520, 0.3155



18.2038, 0.3183, 0.3124



12.8554, 0.4128, 0.2048



1.2708, 0.3998, 0.1976



# Inverse Universe

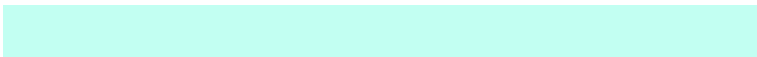
The Inverse Universe completely reimagines the original color for something new.



65.9609, 0.3287, 0.2860



60.2235, 0.3329, 0.2765



89.3600, 0.2840, 0.3430



18.2038, 0.3183, 0.3124



12.8554, 0.4128, 0.2048



1.2708, 0.3998, 0.1976



# Previews

## White Background



This preview shows how the Yxy color 65.9580, 0.3287, 0.2860 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

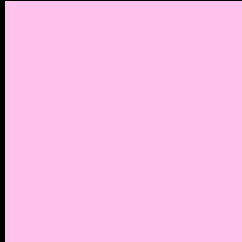
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.9580, 0.3287, 0.2860 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 65.9580, 0.3287, 0.2860**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9580, 0.3287, 0.2860.



This preview shows how white text looks on a background with the Yxy color 65.9580, 0.3287, 0.2860.

# 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

65.9580, 0.3287, 0.2860

### Protanopia

66.4877, 0.2852, 0.2886

### Deuteranopia

66.3118, 0.3053, 0.2989



## Tritanopia

65.8877, 0.3444, 0.3136

# Trichromacy



## Original Color

65.9580, 0.3287, 0.2860



## Protanomaly

66.0416, 0.3000, 0.2876



## Deuteranomaly

65.9594, 0.3136, 0.2933



## Tritanomaly

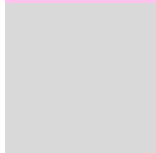
66.0891, 0.3383, 0.3035

# Monochromacy



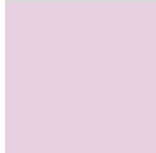
## Original Color

65.9580, 0.3287, 0.2860



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

67.9717, 0.3187, 0.3130

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9580, 0.3287, 0.2860 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9580, 0.3287, 0.2860 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, 237) }
```

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

```
.border{ border-color:rgb(255, 194, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9580, 0.3287, 0.2860 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, 237) }
```

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

```
.background{ background-color: rgb(255,  
194, 237) }
```

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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