

# Converting Colors

$Y_{xy}(64.5856, 0.3311, 0.2858)$

Have a look what the booklet for  
Yxy(64.5856, 0.3311, 0.2858)  
contains.

|  |    |
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# Color

**Yxy(64.4621, 0.3313, 0.2858)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FFBFEA                     |
| RGB         | 255, 191, 234              |
| RGB Percent | 100%, 75%, 92%             |
| CMY         | 0.0000, 0.2510, 0.0823     |
| CMYK        | 0.00, 0.25, 0.08, 0.00     |
| HSL         | 320°, 100%, 87%            |
| HSV         | 320°, 25%, 100%            |
| XYZ         | 74.7246, 64.4621, 86.3630  |
| YIQ         | 215.0380, 24.3410, 26.9410 |

# Conversions

## Conversions Part 2

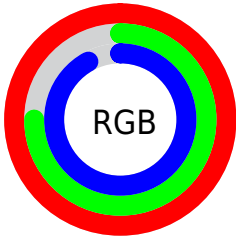
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 255, 191, 234                |
| Decimal                             | 16760810                     |
| CIE Lab                             | 84.21, 29.55, -12.37         |
| CIE LCh                             | 84, 32.033, 337.293          |
| Yxy                                 | 64.4621, 0.3313,<br>0.2858   |
| Android<br>(android.graphics.Color) | 4294950890<br>(0xFFFFBFEA)   |
| YUV                                 | 215.0380, 9.3483,<br>35.0467 |
| Hunter-Lab                          | 80.2883, 25.6261,<br>-7.5741 |

# Details

The Yxy color  $64.4621, 0.3313, 0.2858$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $87.3492, 0.2980, 0.3766$ , and the grayscale version is  $67.9075, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.6148, 0.3130, 0.3223$ , and  $33.1114, 0.3362, 0.2765$  is the 20% darker color. If you saturate the color by 10%, you get  $53.8247, 0.3410, 0.2681$ , and if you desaturate by 10%, it is  $77.0637, 0.3230, 0.3035$ .

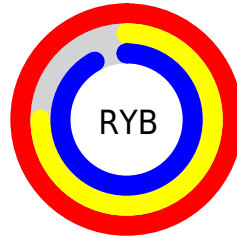
# Distribution



Red (100%)

Green (75%)

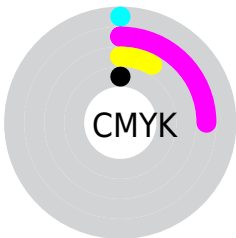
Blue (92%)



Red (100%)

Yellow (75%)

Blue (92%)

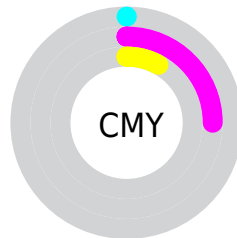


Cyan (0%)

Magenta (25%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (25%)

Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4621, 0.3313, 0.2858 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 64.4621, 0.3313, 0.2858 by changing the saturation by 10% instead.




 64.4621, 0.3313,  
0.2858

 64.4621, 0.3313,  
0.2858


440.8565, 0.3229,  
0.3055

 47.0250, 0.3332,  
0.2814


 111.2762, 0.3284,  
0.2926

 33.0555, 0.3355,  
0.2760


141.4220, 0.3273,  
0.2952

 22.1689, 0.3384,  
0.2692


176.5728, 0.3263,  
0.2975

 13.9811, 0.3421,  
0.2604

217.1131, 0.3254,  
0.2995

 8.1075, 0.3471,  
0.2487

263.4272, 0.3247,  
0.3013

 4.1638, 0.3540,  
0.2322


315.8995, 0.3240,


 1.7656, 0.3643,

0.3028

0.2075

374.9145, 0.3234,  
0.3042

 0.4656, 0.3888,  
0.1500


 0.0000, 0.4021,  
0.0000


 64.4621, 0.3313,  
0.2858

 64.4621, 0.3313,  
0.2858

 53.8247, 0.3410,  
0.2681


 77.0637, 0.3230,  
0.3035

 45.0428, 0.3521,  
0.2510

 91.7147, 0.3159,  
0.3206

 38.0094, 0.3645,  
0.2356

100.0000, 0.3127,  
0.3290

 32.6031, 0.3781,  
0.2229

■ 28.6871, 0.3923,  
0.2140

■ 26.1019, 0.4068,  
0.2099

■ 24.6508, 0.4209,  
0.2110

■ 24.2163, 0.4277,  
0.2130

# Harmonies

## Analogous

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



64.4621, 0.2908, 0.2681



64.4621, 0.3313, 0.2858



64.4621, 0.3687, 0.3135

# Triad

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



64.4621, 0.3313, 0.2858



64.4621, 0.3672, 0.3975



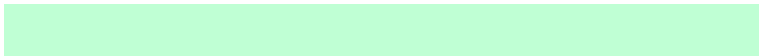
64.4621, 0.2407, 0.3039

# Complementary

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



64.4621, 0.3313, 0.2858



87.3492, 0.2980, 0.3766

# 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.



64.4621, 0.2585, 0.3421



64.4621, 0.3313, 0.2858



64.4621, 0.3309, 0.3996

# Square

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



64.4621, 0.3313, 0.2858



64.4621, 0.3897, 0.3767



64.4621, 0.2911, 0.3788



64.4621, 0.2407, 0.2763



# Rectangle

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



64.4621, 0.3313, 0.2858



64.4621, 0.3856, 0.3350



64.4621, 0.2911, 0.3788



64.4621, 0.2447, 0.3159

# Sweetspot

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



64.4648, 0.3313, 0.2858



87.2447, 0.3178, 0.3157



58.3715, 0.2834, 0.2600



18.1932, 0.3189, 0.3131



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.



64.4648, 0.3313, 0.2858



59.0091, 0.3359, 0.2771



62.8221, 0.3563, 0.3170



18.1932, 0.3189, 0.3131



12.6822, 0.4255, 0.2118



1.2550, 0.4105, 0.2035



# Inverse Universe

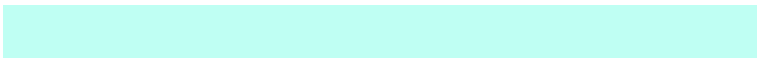
The Inverse Universe completely reimagines the original color for something new.



64.4648, 0.3313, 0.2858



59.0091, 0.3359, 0.2771



89.0840, 0.2816, 0.3415



18.1932, 0.3189, 0.3131



12.6822, 0.4255, 0.2118



1.2550, 0.4105, 0.2035



# Previews

## White Background



This preview shows how the Yxy color 64.4621, 0.3313, 0.2858 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

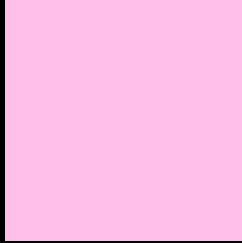
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.4621, 0.3313, 0.2858 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 64.4621, 0.3313, 0.2858**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4621, 0.3313, 0.2858.



This preview shows how white text looks on a background with the Yxy color 64.4621, 0.3313, 0.2858.

# 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

64.4621, 0.3313, 0.2858

### Protanopia

64.8900, 0.2849, 0.2892

### Deuteranopia

64.8043, 0.3066, 0.3007



## Tritanopia

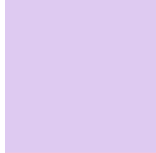
64.3788, 0.3472, 0.3136

# Trichromacy



## Original Color

64.4621, 0.3313, 0.2858



## Protanomaly

64.1215, 0.3006, 0.2872



## Deuteranomaly

64.4584, 0.3151, 0.2951



## Tritanomaly

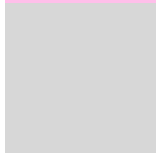
64.5807, 0.3411, 0.3034

# Monochromacy



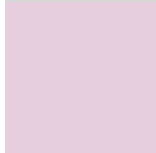
## Original Color

64.4621, 0.3313, 0.2858



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

66.2395, 0.3196, 0.3118

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4621, 0.3313, 0.2858 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, 191, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 234)  
}
```

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, 191, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4621, 0.3313, 0.2858 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, 191, 234) }
```

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

```
.border{ border-color:rgb(255, 191, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4621, 0.3313, 0.2858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 234) }
```

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

```
.background{ background-color: rgb(255,  
191, 234) }
```

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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