

# Converting Colors

Yxy(64.9583, 0.3307, 0.3235)

Have a look what the booklet for  
Yxy(64.9583, 0.3307, 0.3235)  
contains.

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# Color

**Yxy(64.9450, 0.3308, 0.3236)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | E8CCD1                    |
| RGB         | 232, 204, 209             |
| RGB Percent | 91%, 80%, 82%             |
| CMY         | 0.0900, 0.2000, 0.1804    |
| CMYK        | 0.00, 0.12, 0.10, 0.09    |
| HSL         | 349°, 38%, 85%            |
| HSV         | 349°, 12%, 91%            |
| XYZ         | 66.3900, 64.9450, 69.3603 |
| YIQ         | 212.9420, 15.0830, 7.4910 |

# Conversions

## Conversions Part 2

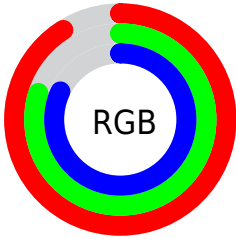
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 232, 204, 209                 |
| Decimal                             | 15256785                      |
| CIE Lab                             | 84.46, 10.64, 1.11            |
| CIE LCh                             | 84, 10.695, 5.970             |
| Yxy                                 | 64.9450, 0.3308,<br>0.3236    |
| Android<br>(android.graphics.Color) | 4293446865<br>(0xFFE8CCD1)    |
| YUV                                 | 212.9420, -1.9434,<br>16.7139 |
| Hunter-Lab                          | 80.5885, 6.0212,<br>5.3826    |

# Details

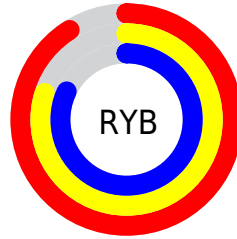
The Yxy color **64.9450, 0.3308, 0.3236** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.1196, 0.2972, 0.3345**, and the grayscale version is **66.5089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.4094, 0.3347, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **53.8393, 0.3498, 0.3188**, and if you desaturate by 10%, it is **77.8125, 0.3155, 0.3281**.

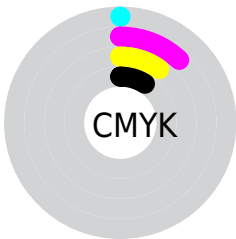
# Distribution



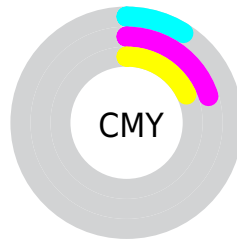
- Red (91%)
- Green (80%)
- Blue (82%)



- Red (91%)
- Yellow (80%)
- Blue (82%)



- Cyan (0%)
- Magenta (12%)
- Yellow (10%)
- Black (9%)




- Cyan (9%)
- Magenta (20%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9450, 0.3308, 0.3236 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 64.9450, 0.3308, 0.3236 by changing the saturation by 10% instead.




 64.9450, 0.3308,  
0.3236

 64.9450, 0.3308,  
0.3236


442.5943, 0.3222,  
0.3262

 47.4165, 0.3328,  
0.3230


111.9708, 0.3278,  
0.3245

 33.3650, 0.3353,  
0.3222


142.2368, 0.3266,  
0.3249

 22.4062, 0.3385,  
0.3212


177.5175, 0.3256,  
0.3252

 14.1557, 0.3428,  
0.3199

218.1972, 0.3248,  
0.3254

 8.2290, 0.3488,  
0.3180

264.6604, 0.3240,  
0.3257

 4.2418, 0.3578,  
0.3152

317.2913, 0.3234,

 1.8097, 0.3727,

0.3259

0.3104

376.4745, 0.3228,  
0.3260

0.4932, 0.4334,  
0.2934

0.0000, 0.0000,  
0.0000

64.9450, 0.3308,  
0.3236

64.9450, 0.3308,  
0.3236

53.8393, 0.3498,  
0.3188

77.8125, 0.3155,  
0.3281

44.4105, 0.3732,  
0.3139

92.5050, 0.3032,  
0.3323

36.5794, 0.4017,  
0.3092

95.9026, 0.2988,  
0.3290

30.2571, 0.4359,  
0.3052

■ 25.3459, 0.4751,  
0.3025

■ 21.7366, 0.5174,  
0.3022

■ 19.3040, 0.5589,  
0.3048

■ 17.8979, 0.5945,  
0.3107

■ 17.3260, 0.6157,  
0.3165

# Harmonies

## Analogous

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



64.9450, 0.3186, 0.3135



64.9450, 0.3308, 0.3236



64.9450, 0.3381, 0.3352

# Triad

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



64.9450, 0.3308, 0.3236



64.9450, 0.3199, 0.3517



64.9450, 0.2876, 0.3119

# Complementary

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



64.9450, 0.3308, 0.3236



76.1196, 0.2972, 0.3345

# 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.



64.9450, 0.2880, 0.3219



64.9450, 0.3308, 0.3236



64.9450, 0.3065, 0.3453

# Square

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



64.9450, 0.3308, 0.3236



64.9450, 0.3317, 0.3517



64.9450, 0.2948, 0.3342



64.9450, 0.2938, 0.3068



# Rectangle

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



64.9450, 0.3308, 0.3236



64.9450, 0.3391, 0.3424



64.9450, 0.2948, 0.3342



64.9450, 0.2870, 0.3148

# Sweetspot

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



64.9479, 0.3308, 0.3236



93.1360, 0.3182, 0.3273



65.3244, 0.3103, 0.2989



19.6674, 0.3193, 0.3269



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.



64.9479, 0.3308, 0.3236



76.1163, 0.3360, 0.3222



69.0467, 0.3333, 0.3387



14.4098, 0.3264, 0.3248



9.6280, 0.6124, 0.3147



0.7238, 0.5739, 0.2935



# Inverse Universe

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



64.9479, 0.3308, 0.3236



76.1163, 0.3360, 0.3222



71.5245, 0.2940, 0.3191



14.4098, 0.3264, 0.3248



9.6280, 0.6124, 0.3147



0.7238, 0.5739, 0.2935



# Previews

## White Background



This preview shows how the Yxy color 64.9450, 0.3308, 0.3236 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

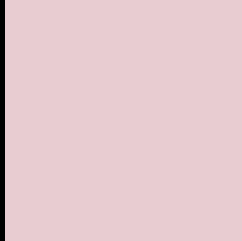
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9450, 0.3308, 0.3236 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

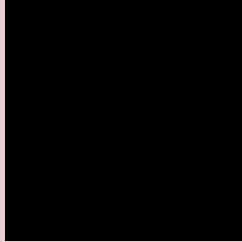
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.9450, 0.3308, 0.3236**

## Background



This preview shows how black text looks on a background with the Yxy color 64.9450, 0.3308, 0.3236.

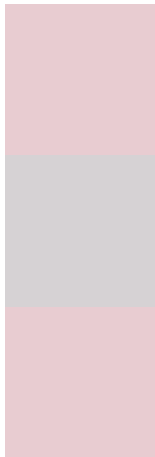


This preview shows how white text looks on a background with the Yxy color 64.9450, 0.3308, 0.3236.

# 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

64.9450, 0.3308, 0.3236

### Protanopia

65.1428, 0.3143, 0.3268

### Deuteranopia

64.9450, 0.3308, 0.3236



## Tritanopia

65.0975, 0.3250, 0.3129

# Trichromacy



## Original Color

64.9450, 0.3308, 0.3236

## Protanomaly

65.1871, 0.3204, 0.3257

## Deuteranomaly

64.9450, 0.3308, 0.3236

## Tritanomaly

64.9418, 0.3272, 0.3161

# Monochromacy



## Original Color

64.9450, 0.3308, 0.3236

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.0623, 0.3188, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9450, 0.3308, 0.3236 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(232, 204, 209)` looks like.

```
.text, #text, p{  
    color:rgb(232, 204, 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(232, 204, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 204, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9450, 0.3308, 0.3236 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(232, 204, 209) }
```

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

```
.border{ border-color:rgb(232, 204, 209) }
```

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

Here you see how a box with a 4 pixel rgb(232, 204, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 204, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 204, 209);  
box-shadow:4px 4px 4px 4px rgb(232, 204,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9450, 0.3308, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 204, 209) }
```

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

```
.background{ background-color: rgb(232,  
204, 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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