

# Converting Colors

$Yxy(64.8035, 0.3390, 0.3227)$

Have a look what the booklet for  
Yxy(64.8035, 0.3390, 0.3227)  
contains.

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# Color

**Yxy(64.8035, 0.3390, 0.3227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0C9CF
RGB	240, 201, 207
RGB Percent	94%, 79%, 81%
CMY	0.0589, 0.2117, 0.1883
CMYK	0.00, 0.16, 0.14, 0.06
HSL	351°, 56%, 86%
HSV	351°, 16%, 94%
XYZ	68.0768, 64.8035, 67.9362
YIQ	213.3450, 21.3180, 10.1340

# Conversions

## Conversions Part 2

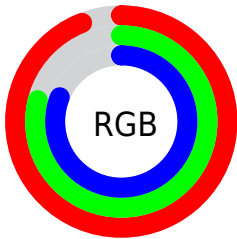
Format	Color
R <sub>Y</sub> B	240, 201, 207
Decimal	15780303
CIE Lab	84.38, 14.68, 2.17
CIE LCh	84, 14.837, 8.419
Yxy	64.8035, 0.3390, 0.3227
Android (android.graphics.Color)	4293970383 (0xFFFF0C9CF)
YUV	213.3450, -3.1281, 23.3764
Hunter-Lab	80.5006, 10.0757, 6.3143

# Details

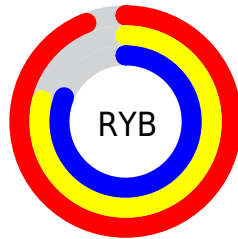
The Yxy color  $64.8035, 0.3390, 0.3227$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $80.6701, 0.2915, 0.3354$ , and the grayscale version is  $66.7929, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $33.3577, 0.3457, 0.3208$  is the 20% darker color. If you saturate the color by 10%, you get  $53.5461, 0.3604, 0.3186$ , and if you desaturate by 10%, it is  $77.9426, 0.3217, 0.3267$ .

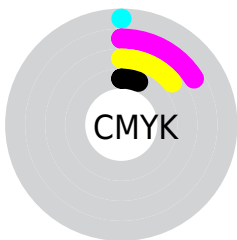
# Distribution



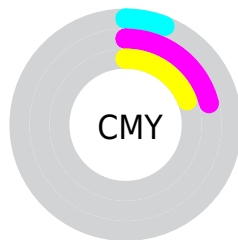
- Red (94%)
- Green (79%)
- Blue (81%)



- Red (94%)
- Yellow (79%)
- Blue (81%)



- Cyan (0%)
- Magenta (16%)
- Yellow (14%)
- Black (6%)




- Cyan (6%)
- Magenta (21%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8035, 0.3390, 0.3227 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 64.8035, 0.3390, 0.3227 by changing the saturation by 10% instead.




 64.8035, 0.3390,  
0.3227

 64.8035, 0.3390,  
0.3227


442.0855, 0.3265,  
0.3258

 47.3018, 0.3419,  
0.3220


111.7673, 0.3346,  
0.3238

 33.2743, 0.3456,  
0.3210


141.9982, 0.3329,  
0.3242

 22.3366, 0.3503,  
0.3198


177.2408, 0.3315,  
0.3246

 14.1045, 0.3566,  
0.3182

217.8798, 0.3302,  
0.3249

 8.1934, 0.3653,  
0.3159

264.2993, 0.3291,  
0.3251

 4.2189, 0.3785,  
0.3123

316.8838, 0.3282,

 1.7968, 0.4002,

0.3254

0.3062

376.0178, 0.3273,  
0.3256

0.4852, 0.4875,  
0.2886

0.0000, 0.0000,  
0.0000

64.8035, 0.3390,  
0.3227

64.8035, 0.3390,  
0.3227

53.5461, 0.3604,  
0.3186

77.9426, 0.3217,  
0.3267

44.0759, 0.3869,  
0.3144

93.0350, 0.3078,  
0.3304

36.3033, 0.4189,  
0.3106

97.2619, 0.3035,  
0.3290

30.1277, 0.4567,  
0.3076

■ 25.4375, 0.4989,  
0.3062

■ 22.1070, 0.5425,  
0.3073

■ 19.9893, 0.5824,  
0.3111

■ 18.9025, 0.6129,  
0.3175

■ 18.6537, 0.6216,  
0.3198

# Harmonies

## Analogous

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



64.8035, 0.3224, 0.3087



64.8035, 0.3390, 0.3227



64.8035, 0.3485, 0.3386

# Triad

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



64.8035, 0.3390, 0.3227



64.8035, 0.3211, 0.3604



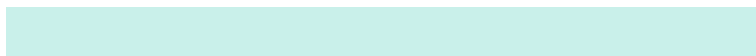
64.8035, 0.2785, 0.3044

# Complementary

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



64.8035, 0.3390, 0.3227



80.6701, 0.2915, 0.3354

# 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.



64.8035, 0.2782, 0.3176



64.8035, 0.3390, 0.3227



64.8035, 0.3024, 0.3507

# Square

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



64.8035, 0.3390, 0.3227



64.8035, 0.3379, 0.3609



64.8035, 0.2869, 0.3347



64.8035, 0.2876, 0.2981



# Rectangle

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



64.8035, 0.3390, 0.3227



64.8035, 0.3494, 0.3484



64.8035, 0.2869, 0.3347



64.8035, 0.2774, 0.3081

# Sweetspot

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



64.8064, 0.3390, 0.3227



91.4570, 0.3199, 0.3271



65.4764, 0.3098, 0.2882



19.3284, 0.3209, 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.



64.8064, 0.3390, 0.3227



70.5210, 0.3446, 0.3215



70.8349, 0.3414, 0.3429



15.7983, 0.3269, 0.3254



10.2253, 0.6187, 0.3182



0.8624, 0.5866, 0.3005



# Inverse Universe

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



64.8064, 0.3390, 0.3227



70.5210, 0.3446, 0.3215



73.6438, 0.2875, 0.3147



15.7983, 0.3269, 0.3254



10.2253, 0.6187, 0.3182



0.8624, 0.5866, 0.3005



# Previews

## White Background



This preview shows how the Yxy color 64.8035, 0.3390, 0.3227 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

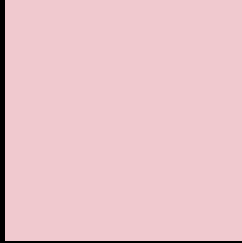
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8035, 0.3390, 0.3227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

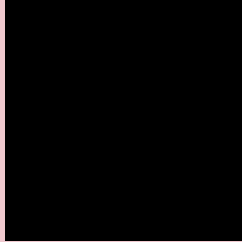
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.8035, 0.3390, 0.3227**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8035, 0.3390, 0.3227.

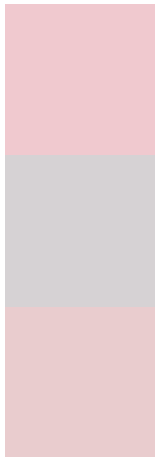


This preview shows how white text looks on a background with the Yxy color 64.8035, 0.3390, 0.3227.

# 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

64.8035, 0.3390, 0.3227

### Protanopia

65.1428, 0.3143, 0.3268

### Deuteranopia

64.9656, 0.3338, 0.3269



## Tritanopia

64.9156, 0.3338, 0.3132

# Trichromacy



## Original Color

64.8035, 0.3390, 0.3227

## Protanomaly

64.9668, 0.3228, 0.3257

## Deuteranomaly

65.0010, 0.3363, 0.3258

## Tritanomaly

64.7628, 0.3361, 0.3163

# Monochromacy



## Original Color

64.8035, 0.3390, 0.3227

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

65.9921, 0.3219, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8035, 0.3390, 0.3227 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(240, 201, 207)` looks like.

```
.text, #text, p{  
    color:rgb(240, 201, 207)  
}
```

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(240, 201, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 201, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8035, 0.3390, 0.3227 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(240, 201, 207) }
```

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

```
.border{ border-color:rgb(240, 201, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 201, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 201, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 201, 207); box-shadow:4px 4px 4px 4px rgb(240, 201, 207) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8035, 0.3390, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 201, 207) }
```

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

```
.background{ background-color: rgb(240,  
201, 207) }
```

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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