

# Converting Colors

$Y_{xy}(64.8823, 0.3530, 0.3270)$

Have a look what the booklet for  
Yxy(64.8823, 0.3530, 0.3270)  
contains.

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# Color

**Yxy(64.8823, 0.3530, 0.3270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAC6C8
RGB	250, 198, 200
RGB Percent	98%, 78%, 78%
CMY	0.0197, 0.2235, 0.2156
CMYK	0.00, 0.21, 0.20, 0.02
HSL	358°, 84%, 88%
HSV	358°, 21%, 98%
XYZ	70.0411, 64.8823, 63.4934
YIQ	213.7760, 30.3500, 11.6460

# Conversions

## Conversions Part 2

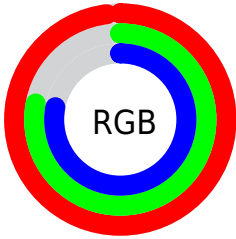
Format	Color
R <sub>Y</sub> B	250, 198, 200
Decimal	16434888
CIE Lab	84.42, 18.76, 6.05
CIE LCh	84, 19.716, 17.877
Yxy	64.8823, 0.3530, 0.3270
Android (android.graphics.Color)	4294624968 (0xFF FAC6C8)
YUV	213.7760, -6.7916, 31.7684
Hunter-Lab	80.5495, 14.2514, 9.6492

# Details

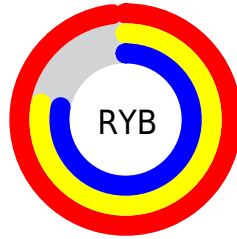
The Yxy color **64.8823, 0.3530, 0.3270** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.1413, 0.2827, 0.3311**, and the grayscale version is **67.1199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.3593, 0.3636, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **53.3473, 0.3801, 0.3260**, and if you desaturate by 10%, it is **78.4856, 0.3313, 0.3280**.

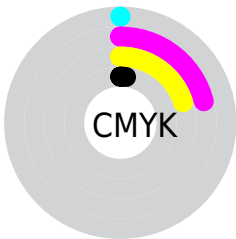
# Distribution



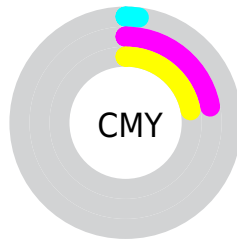
- Red (98%)
- Green (78%)
- Blue (78%)



- Red (98%)
- Yellow (78%)
- Blue (78%)



- Cyan (0%)
- Magenta (21%)
- Yellow (20%)
- Black (2%)




- Cyan (2%)
- Magenta (22%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8823, 0.3530, 0.3270 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 64.8823, 0.3530, 0.3270 by changing the saturation by 10% instead.



 64.8823, 0.3530,  
0.3270

 64.8823, 0.3530,  
0.3270

442.3689, 0.3338,  
0.3282

 47.3656, 0.3575,  
0.3267


111.8806, 0.3462,  
0.3275

 33.3248, 0.3632,  
0.3262


142.1311, 0.3436,  
0.3276

 22.3754, 0.3704,  
0.3255


177.3949, 0.3414,  
0.3278

 14.1330, 0.3801,  
0.3246

218.0566, 0.3395,  
0.3279

 8.2132, 0.3937,  
0.3231

264.5004, 0.3378,  
0.3280

 4.2317, 0.4139,  
0.3204

317.1108, 0.3363,

 1.8040, 0.4474,

0.3281

376.2722, 0.3350,  
0.3281

0.3151

0.4897, 0.6070,  
0.3209

0.0000, 0.0000,  
0.0000

64.8823, 0.3530,  
0.3270

64.8823, 0.3530,  
0.3270

53.3473, 0.3801,  
0.3260

78.4856, 0.3313,  
0.3280

43.7712, 0.4135,  
0.3251

94.2423, 0.3139,  
0.3289

36.0478, 0.4534,  
0.3243

99.0604, 0.3096,  
0.3290

30.0572, 0.4988,  
0.3240

■ 25.6659, 0.5463,  
0.3242

■ 22.7204, 0.5897,  
0.3253

■ 21.0376, 0.6215,  
0.3270

■ 20.3417, 0.6373,  
0.3284

# Harmonies

## Analogous

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



64.8823, 0.3331, 0.3075



64.8823, 0.3530, 0.3270



64.8823, 0.3617, 0.3477

# Triad

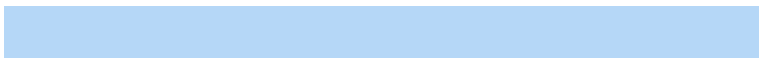
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.8823, 0.3530, 0.3270



64.8823, 0.3158, 0.3683



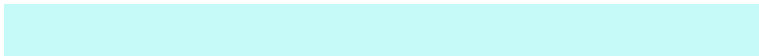
64.8823, 0.2702, 0.2926

# Complementary

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



64.8823, 0.3530, 0.3270



87.1413, 0.2827, 0.3311

# 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.



64.8823, 0.2661, 0.3073



64.8823, 0.3530, 0.3270



64.8823, 0.2918, 0.3519

# Square

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



64.8823, 0.3530, 0.3270



64.8823, 0.3396, 0.3727



64.8823, 0.2738, 0.3290



64.8823, 0.2853, 0.2879



# Rectangle

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



64.8823, 0.3530, 0.3270



64.8823, 0.3599, 0.3598



64.8823, 0.2738, 0.3290



64.8823, 0.2675, 0.2964

# Sweetspot

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



64.8853, 0.3530, 0.3270



89.7125, 0.3225, 0.3285



67.1379, 0.3132, 0.2769



18.9733, 0.3236, 0.3284



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.



64.8853, 0.3530, 0.3270



62.5135, 0.3638, 0.3266



76.3212, 0.3498, 0.3532



17.2361, 0.3288, 0.3281



10.7966, 0.6361, 0.3278



1.0037, 0.6264, 0.3224



# Inverse Universe

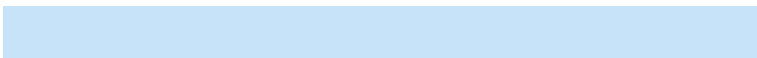
The Inverse Universe completely reimagines the original color for something new.



64.8853, 0.3530, 0.3270



62.5135, 0.3638, 0.3266



73.6247, 0.2799, 0.3035



17.2361, 0.3288, 0.3281



10.7966, 0.6361, 0.3278



1.0037, 0.6264, 0.3224



# Previews

## White Background



This preview shows how the Yxy color 64.8823, 0.3530, 0.3270 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

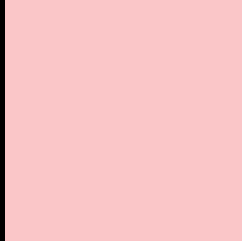
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8823, 0.3530, 0.3270 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 64.8823, 0.3530, 0.3270**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8823, 0.3530, 0.3270.



This preview shows how white text looks on a background with the Yxy color 64.8823, 0.3530, 0.3270.

# 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

64.8823, 0.3530, 0.3270

### Protanopia

65.1971, 0.3193, 0.3324

### Deuteranopia

65.1421, 0.3415, 0.3345



## Tritanopia

64.6922, 0.3455, 0.3135

# Trichromacy



## Original Color

64.8823, 0.3530, 0.3270

## Protanomaly

64.9962, 0.3311, 0.3313

## Deuteranomaly

65.0654, 0.3458, 0.3323

## Tritanomaly

64.9467, 0.3485, 0.3187

# Monochromacy



## Original Color

64.8823, 0.3530, 0.3270

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

66.0461, 0.3264, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8823, 0.3530, 0.3270 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(250, 198, 200)` looks like.

```
.text, #text, p{  
    color:rgb(250, 198, 200)  
}
```

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(250, 198, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 198, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8823, 0.3530, 0.3270 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(250, 198, 200) }
```

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

```
.border{ border-color:rgb(250, 198, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 198, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 198, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 198, 200);  
box-shadow:4px 4px 4px 4px rgb(250, 198,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8823, 0.3530, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 198, 200) }
```

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

```
.background{ background-color: rgb(250,  
198, 200) }
```

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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