

# Converting Colors

$Yxy(70.2803, 0.3357, 0.3199)$

Have a look what the booklet for  
Yxy(70.2803, 0.3357, 0.3199)  
contains.

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# **Color**

**Yxy(70.3848, 0.3358, 0.3208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7D1D9
RGB	247, 209, 217
RGB Percent	97%, 82%, 85%
CMY	0.0315, 0.1803, 0.1490
CMYK	0.00, 0.15, 0.12, 0.03
HSL	347°, 70%, 89%
HSV	347°, 15%, 97%
XYZ	73.6759, 70.3848, 75.3433
YIQ	221.2740, 20.0800, 10.5440

# Conversions

## Conversions Part 2

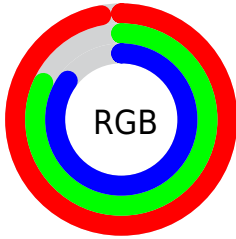
Format	Color
<a href="#">RYB</a>	<a href="#">247, 209, 217</a>
Decimal	<a href="#">16241113</a>
CIELab	<a href="#">87.19, 14.54, 1.01</a>
CIElCh	<a href="#">87, 14.573, 3.961</a>
Yxy	<a href="#">70.3848, 0.3358, 0.3208</a>
Android (android.graphics.Color)	<a href="#">4294431193</a> ( <a href="#">0xFFFF7D1D9</a> )
YUV	<a href="#">221.2740, -2.1071, 22.5617</a>
Hunter-Lab	<a href="#">83.8956, 9.9385, 5.4810</a>

# Details

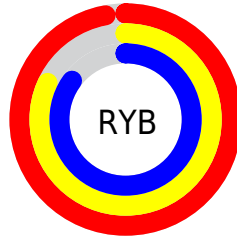
The Yxy color **70.3848, 0.3358, 0.3208** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **86.2975, 0.2937, 0.3374**, and the grayscale version is **72.5137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6670, 0.3414, 0.3184** is the 20% darker color. If you saturate the color by 10%, you get **58.2367, 0.3554, 0.3151**, and if you desaturate by 10%, it is **84.5377, 0.3199, 0.3262**.

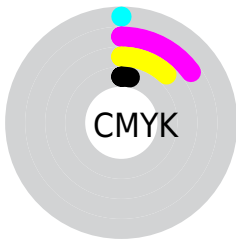
# Distribution



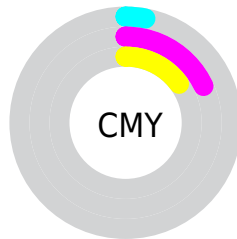
- Red (97%)
- Green (82%)
- Blue (85%)



- Red (97%)
- Yellow (82%)
- Blue (85%)



- Cyan (0%)
- Magenta (15%)
- Yellow (12%)
- Black (3%)




- Cyan (3%)
- Magenta (18%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3848, 0.3358, 0.3208 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 70.3848, 0.3358, 0.3208 by changing the saturation by 10% instead.



 70.3848, 0.3358,  
0.3208

 70.3848, 0.3358,  
0.3208


461.9000, 0.3250,  
0.3247

 51.8403, 0.3383,  
0.3199


119.7573, 0.3320,  
0.3222

 36.8778, 0.3414,  
0.3188

151.3542, 0.3306,  
0.3227

 25.1129, 0.3453,  
0.3174


188.0706, 0.3293,  
0.3231

 16.1612, 0.3505,  
0.3155

230.2910, 0.3283,  
0.3235

 9.6383, 0.3576,  
0.3129

278.3997, 0.3273,  
0.3239

 5.1598, 0.3680,  
0.3090

332.7812, 0.3265,

 2.3413, 0.3847,

0.3242

0.3027

393.8198, 0.3257,  
0.3244

0.7955, 0.4175,  
0.2912

0.0000, 1.0000,  
0.0000

70.3848, 0.3358,  
0.3208

70.3848, 0.3358,  
0.3208

58.2367, 0.3554,  
0.3151

84.5377, 0.3199,  
0.3262

47.9936, 0.3796,  
0.3093

98.5102, 0.3078,  
0.3290

39.5612, 0.4088,  
0.3039

32.8335, 0.4434,  
0.2995

■ 27.6933, 0.4825,  
0.2969

■ 24.0086, 0.5238,  
0.2973

■ 21.6257, 0.5634,  
0.3012

■ 20.3558, 0.5963,  
0.3087

■ 20.0173, 0.6086,  
0.3126

# Harmonies

## Analogous

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



70.3848, 0.3193, 0.3079



70.3848, 0.3358, 0.3208



70.3848, 0.3461, 0.3360

# Triad

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



70.3848, 0.3358, 0.3208



70.3848, 0.3234, 0.3596



70.3848, 0.2794, 0.3070

# Complementary

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



70.3848, 0.3358, 0.3208



86.2975, 0.2937, 0.3374

# 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.



70.3848, 0.2804, 0.3205



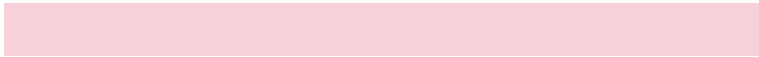
70.3848, 0.3358, 0.3208



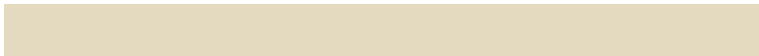
70.3848, 0.3055, 0.3516

# Square

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



70.3848, 0.3358, 0.3208



70.3848, 0.3387, 0.3588



70.3848, 0.2899, 0.3370



70.3848, 0.2869, 0.2998



# Rectangle

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



70.3848, 0.3358, 0.3208



70.3848, 0.3479, 0.3457



70.3848, 0.2899, 0.3370



70.3848, 0.2787, 0.3109

# Sweetspot

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



70.3879, 0.3358, 0.3208



91.5015, 0.3194, 0.3264



70.6301, 0.3086, 0.2902



19.3391, 0.3204, 0.3261



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

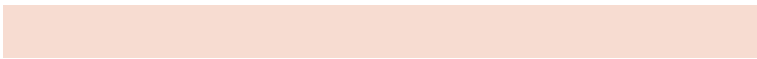
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.3879, 0.3358, 0.3208



72.0112, 0.3406, 0.3193



75.4407, 0.3400, 0.3402



16.5395, 0.3260, 0.3240



10.6052, 0.6048, 0.3106



0.9465, 0.5712, 0.2920



# Inverse Universe

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



70.3879, 0.3358, 0.3208



72.0112, 0.3406, 0.3193



80.3903, 0.2889, 0.3175



16.5395, 0.3260, 0.3240



10.6052, 0.6048, 0.3106

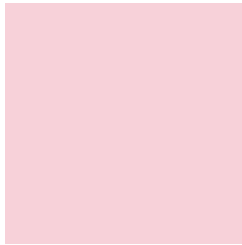


0.9465, 0.5712, 0.2920



# Previews

## White Background



This preview shows how the Yxy color 70.3848, 0.3358, 0.3208 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

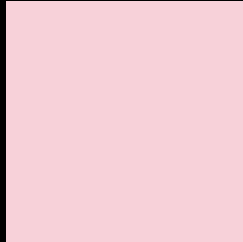
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.3848, 0.3358, 0.3208 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 70.3848, 0.3358, 0.3208**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.3848, 0.3358, 0.3208.

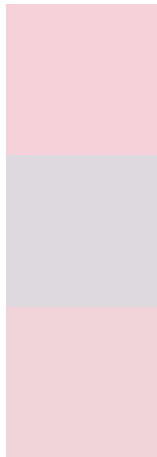


This preview shows how white text looks on a background with the Yxy color 70.3848, 0.3358, 0.3208.

# 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

70.3848, 0.3358, 0.3208

### Protanopia

70.2718, 0.3123, 0.3236

### Deuteranopia

70.6220, 0.3301, 0.3238



## Tritanopia

70.4500, 0.3316, 0.3126

# Trichromacy



## Original Color

70.3848, 0.3358, 0.3208

## Protanomaly

70.0834, 0.3204, 0.3226

## Deuteranomaly

70.6530, 0.3325, 0.3228

## Tritanomaly

70.2887, 0.3338, 0.3157

# Monochromacy



## Original Color

70.3848, 0.3358, 0.3208

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

71.6160, 0.3201, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.3848, 0.3358, 0.3208 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(247, 209, 217)` looks like.

```
.text, #text, p{  
    color:rgb(247, 209, 217)  
}
```

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(247, 209, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 209, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 70.3848, 0.3358, 0.3208 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(247, 209, 217) }
```

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

```
.border{ border-color:rgb(247, 209, 217) }
```

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

Here you see how a box with a 4 pixel rgb(247, 209, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 209, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 209, 217);  
box-shadow:4px 4px 4px 4px rgb(247, 209,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.3848, 0.3358, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 209, 217) }
```

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

```
.background{ background-color: rgb(247,  
209, 217) }
```

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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