

# Converting Colors

$Y_{xy}(65.3800, 0.3313, 0.2992)$

Have a look what the booklet for  
Yxy(65.3800, 0.3313, 0.2992)  
contains.

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# Color

**Yxy(65.3800, 0.3313, 0.2992)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8C5E2
RGB	248, 197, 226
RGB Percent	97%, 77%, 89%
CMY	0.0276, 0.2274, 0.1138
CMYK	0.00, 0.21, 0.09, 0.03
HSL	326°, 78%, 87%
HSV	326°, 21%, 97%
XYZ	72.3944, 65.3800, 80.7417
YIQ	215.5550, 21.0870, 19.8310

# Conversions

## Conversions Part 2

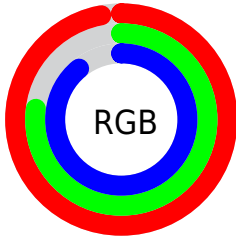
Format	Color
R <sub>Y</sub> B	248, 197, 226
Decimal	16303586
CIE Lab	84.68, 22.66, -7.44
CIE LCh	85, 23.853, 341.821
Yxy	65.3800, 0.3313, 0.2992
Android (android.graphics.Color)	4294493666 (0xFFFF8C5E2)
YUV	215.5550, 5.1494, 28.4543
Hunter-Lab	80.8579, 18.3148, -2.6042

# Details

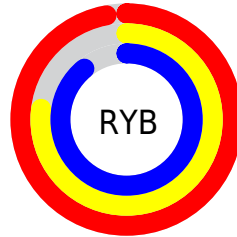
The Yxy color  $65.3800, 0.3313, 0.2992$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $84.1034, 0.2977, 0.3608$ , and the grayscale version is  $68.3045, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.3636, 0.3128, 0.3281$ , and  $33.6616, 0.3353, 0.2919$  is the 20% darker color. If you saturate the color by 10%, you get  $54.4620, 0.3431, 0.2840$ , and if you desaturate by 10%, it is  $78.1927, 0.3214, 0.3141$ .

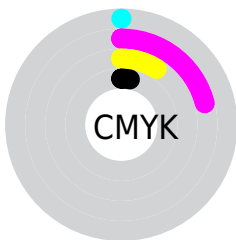
# Distribution



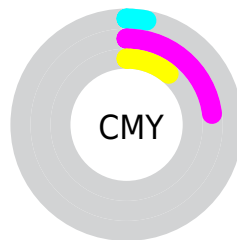
- Red (97%)
- Green (77%)
- Blue (89%)



- Red (97%)
- Yellow (77%)
- Blue (89%)



- Cyan (0%)
- Magenta (21%)
- Yellow (9%)
- Black (3%)




- Cyan (3%)
- Magenta (23%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3800, 0.3313, 0.2992 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 65.3800, 0.3313, 0.2992 by changing the saturation by 10% instead.




 65.3800, 0.3313,  
0.2992

 65.3800, 0.3313,  
0.2992


444.1563, 0.3227,  
0.3129

 47.7693, 0.3333,  
0.2961


112.5960, 0.3283,  
0.3039

 33.6442, 0.3357,  
0.2922

142.9701, 0.3272,  
0.3058

 22.6204, 0.3388,  
0.2874


178.3674, 0.3262,  
0.3074

 14.3135, 0.3428,  
0.2811

219.1723, 0.3253,  
0.3088

 8.3390, 0.3483,  
0.2725

265.7693, 0.3245,  
0.3100

 4.3126, 0.3562,  
0.2603


318.5427, 0.3238,


 1.8499, 0.3687,


0.3111


0.2413


377.8769, 0.3232,  
0.3120


 0.5180, 0.3980,  
0.1940


 0.0000, 0.0000,  
0.0000


 65.3800, 0.3313,  
0.2992

 65.3800, 0.3313,  
0.2992

 54.4620, 0.3431,  
0.2840


 78.1927, 0.3214,  
0.3141

 45.3389, 0.3569,  
0.2689

 92.9762, 0.3131,  
0.3283

 37.9148, 0.3729,  
0.2549

 98.6906, 0.3084,  
0.3290

 32.0813, 0.3908,  
0.2429

■ 27.7175, 0.4104,  
0.2342

■ 24.6849, 0.4310,  
0.2299

■ 22.8180, 0.4515,  
0.2310

■ 21.8725, 0.4704,  
0.2365

# Harmonies

## Analogous

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



65.3800, 0.3010, 0.2843



65.3800, 0.3313, 0.2992



65.3800, 0.3574, 0.3214

# Triad

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



65.3800, 0.3313, 0.2992



65.3800, 0.3500, 0.3810



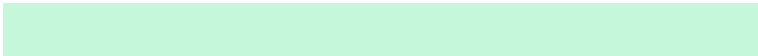
65.3800, 0.2576, 0.3072

# Complementary

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



65.3800, 0.3313, 0.2992



84.1034, 0.2977, 0.3608

# 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.



65.3800, 0.2694, 0.3346



65.3800, 0.3313, 0.2992



65.3800, 0.3222, 0.3792

# Square

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



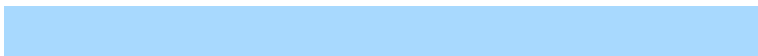
65.3800, 0.3313, 0.2992



65.3800, 0.3683, 0.3682



65.3800, 0.2928, 0.3618



65.3800, 0.2596, 0.2877



# Rectangle

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



65.3800, 0.3313, 0.2992



65.3800, 0.3684, 0.3380



65.3800, 0.2928, 0.3618



65.3800, 0.2600, 0.3158

# Sweetspot

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



65.3829, 0.3313, 0.2992



90.2057, 0.3175, 0.3206



61.6615, 0.2932, 0.2743



19.0896, 0.3180, 0.3197



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.



65.3829, 0.3313, 0.2992



64.2038, 0.3363, 0.2924



64.1225, 0.3506, 0.3246



17.3906, 0.3205, 0.3156



11.8476, 0.4673, 0.2348



1.1186, 0.4450, 0.2225



# Inverse Universe

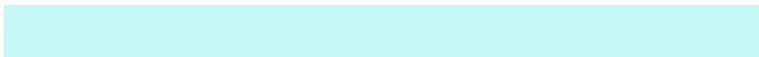
The Inverse Universe completely reimagines the original color for something new.



65.3829, 0.3313, 0.2992



64.2038, 0.3363, 0.2924



85.5033, 0.2842, 0.3335



17.3906, 0.3205, 0.3156



11.8476, 0.4673, 0.2348



1.1186, 0.4450, 0.2225



# Previews

## White Background



This preview shows how the Yxy color 65.3800, 0.3313, 0.2992 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

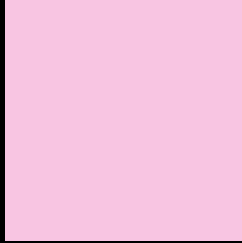
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.3800, 0.3313, 0.2992 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

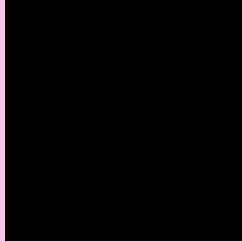
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.3800, 0.3313, 0.2992**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.3800, 0.3313, 0.2992.



This preview shows how white text looks on a background with the Yxy color 65.3800, 0.3313, 0.2992.

# 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

65.3800, 0.3313, 0.2992

### Protanopia

65.5890, 0.2960, 0.3024

### Deuteranopia

65.2132, 0.3152, 0.3084



## Tritanopia

65.2947, 0.3387, 0.3134

# Trichromacy



## Original Color

65.3800, 0.3313, 0.2992

## Protanomaly

65.1201, 0.3081, 0.3008

## Deuteranomaly

65.1697, 0.3207, 0.3045

## Tritanomaly

65.2243, 0.3365, 0.3082

# Monochromacy



## Original Color

65.3800, 0.3313, 0.2992

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

67.2622, 0.3193, 0.3171

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3800, 0.3313, 0.2992 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(248, 197, 226)` looks like.

```
.text, #text, p{  
    color:rgb(248, 197, 226)  
}
```

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(248, 197, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 197, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3800, 0.3313, 0.2992 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(248, 197, 226) }
```

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

```
.border{ border-color:rgb(248, 197, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 197, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 197, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 197, 226); box-shadow:4px 4px 4px 4px rgb(248, 197, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3800, 0.3313, 0.2992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 197, 226) }
```

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

```
.background{ background-color: rgb(248,  
197, 226) }
```

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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