

# Converting Colors

$Y_{xy}(65.6364, 0.3384, 0.3025)$

Have a look what the booklet for  
Yxy(65.6364, 0.3384, 0.3025)  
contains.

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# Color

**Yxy(65.6364, 0.3384, 0.3025)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDC4DE
RGB	253, 196, 222
RGB Percent	99%, 77%, 87%
CMY	0.0080, 0.2313, 0.1293
CMYK	0.00, 0.23, 0.12, 0.01
HSL	333°, 93%, 88%
HSV	333°, 23%, 99%
XYZ	73.4260, 65.6364, 77.9175
YIQ	216.0070, 25.6260, 20.1700

# Conversions

## Conversions Part 2

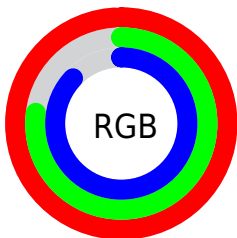
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	253, 196, 222
Decimal	16631006
CIE <sub>Lab</sub>	84.81, 24.25, -5.08
CIE <sub>LCh</sub>	85, 24.780, 348.172
Yxy	65.6364, 0.3384, 0.3025
Android (android.graphics.Color)	4294821086 (0xFFFD4DE)
YUV	216.0070, 2.9545, 32.4429
Hunter-Lab	81.0163, 19.9980, -0.3108

# Details

The Yxy color  $65.6364, 0.3384, 0.3025$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $87.5139, 0.2928, 0.3572$ , and the grayscale version is  $68.6419, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.7306, 0.3128, 0.3271$ , and  $33.8718, 0.3448, 0.2963$  is the 20% darker color. If you saturate the color by 10%, you get  $54.4644, 0.3538, 0.2901$ , and if you desaturate by 10%, it is  $78.7984, 0.3256, 0.3147$ .

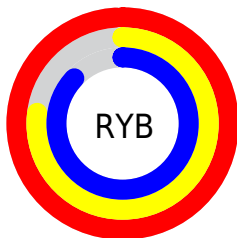
# Distribution



Red (99%)

Green (77%)

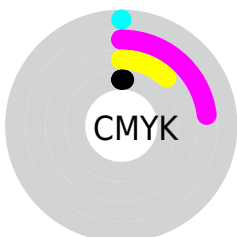
Blue (87%)



Red (99%)

Yellow (77%)

Blue (87%)

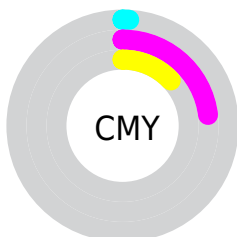


Cyan (0%)

Magenta (23%)

Yellow (12%)

Black (1%)



Cyan (1%)

Magenta (23%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6364, 0.3384, 0.3025 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 65.6364, 0.3384, 0.3025 by changing the saturation by 10% instead.




 65.6364, 0.3384,  
0.3025

 65.6364, 0.3384,  
0.3025


445.0754, 0.3264,  
0.3148

 47.9773, 0.3412,  
0.2997


 112.9643, 0.3342,  
0.3067

 33.8089, 0.3446,  
0.2963


143.4019, 0.3326,  
0.3084

 22.7468, 0.3490,  
0.2919


178.8678, 0.3312,  
0.3098

 14.4067, 0.3547,  
0.2862

219.7464, 0.3300,  
0.3111

 8.4041, 0.3626,  
0.2784

266.4220, 0.3289,  
0.3122

 4.3546, 0.3742,  
0.2672


319.2792, 0.3280,


 1.8738, 0.3926,


0.3131


0.2497


378.7021, 0.3272,  
0.3140

 0.5326, 0.4340,  
0.2054


 0.0000, 1.0000,  
0.0000


 65.6364, 0.3384,  
0.3025


 65.6364, 0.3384,  
0.3025


 54.4644, 0.3538,  
0.2901


 78.7984, 0.3256,  
0.3147

 45.1758, 0.3721,  
0.2779

 94.0325, 0.3151,  
0.3262

 37.6671, 0.3935,  
0.2669

 99.6170, 0.3115,  
0.3290

 31.8215, 0.4179,  
0.2579

■ 27.5080, 0.4445,  
0.2525

■ 24.5754, 0.4723,  
0.2517

■ 22.8413, 0.4995,  
0.2565

■ 22.1260, 0.5188,  
0.2631

# Harmonies

## Analogous

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



65.6364, 0.3071, 0.2852



65.6364, 0.3384, 0.3025



65.6364, 0.3635, 0.3264

# Triad

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



65.6364, 0.3384, 0.3025



65.6364, 0.3458, 0.3840



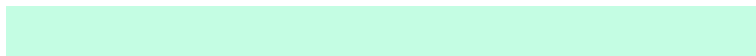
65.6364, 0.2548, 0.3012

# Complementary

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



65.6364, 0.3384, 0.3025



87.5139, 0.2928, 0.3572

# 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.



65.6364, 0.2641, 0.3284



65.6364, 0.3384, 0.3025



65.6364, 0.3159, 0.3786

# Square

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



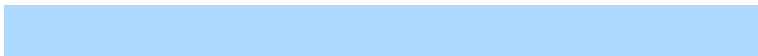
65.6364, 0.3384, 0.3025



65.6364, 0.3675, 0.3734



65.6364, 0.2861, 0.3576



65.6364, 0.2600, 0.2834



# Rectangle

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



65.6364, 0.3384, 0.3025



65.6364, 0.3726, 0.3437



65.6364, 0.2861, 0.3576



65.6364, 0.2564, 0.3095

# Sweetspot

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



65.6394, 0.3384, 0.3025



88.5261, 0.3195, 0.3211



62.8096, 0.2957, 0.2694



18.7472, 0.3202, 0.3204



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.



65.6394, 0.3384, 0.3025



61.4811, 0.3450, 0.2969



65.2128, 0.3587, 0.3311



18.1250, 0.3222, 0.3182



11.8020, 0.5149, 0.2610



1.1708, 0.4872, 0.2457



# Inverse Universe

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



65.6394, 0.3384, 0.3025



61.4811, 0.3450, 0.2969



87.8669, 0.2791, 0.3269



18.1250, 0.3222, 0.3182



11.8020, 0.5149, 0.2610



1.1708, 0.4872, 0.2457



# Previews

## White Background



This preview shows how the Yxy color 65.6364, 0.3384, 0.3025 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

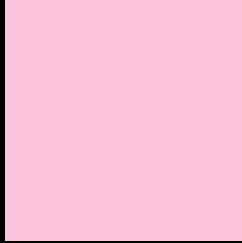
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.6364, 0.3384, 0.3025 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 65.6364, 0.3384, 0.3025**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.6364, 0.3384, 0.3025.



This preview shows how white text looks on a background with the Yxy color 65.6364, 0.3384, 0.3025.

# 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

65.6364, 0.3384, 0.3025

### Protanopia

66.0597, 0.2986, 0.3068

### Deuteranopia

65.9679, 0.3202, 0.3139



## Tritanopia

65.8877, 0.3444, 0.3136

# Trichromacy



## Original Color

65.6364, 0.3384, 0.3025

## Protanomaly

65.9128, 0.3123, 0.3053

## Deuteranomaly

65.6387, 0.3268, 0.3089

## Tritanomaly

65.5858, 0.3422, 0.3095

# Monochromacy



## Original Color

65.6364, 0.3384, 0.3025

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

67.3209, 0.3214, 0.3193

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.6364, 0.3384, 0.3025 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(253, 196, 222)` looks like.

```
.text, #text, p{  
    color:rgb(253, 196, 222)  
}
```

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(253, 196, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 196, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 65.6364, 0.3384, 0.3025 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(253, 196, 222) }
```

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

```
.border{ border-color:rgb(253, 196, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 196, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 196, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 196, 222);  
box-shadow:4px 4px 4px 4px rgb(253, 196,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.6364, 0.3384, 0.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 196, 222) }
```

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

```
.background{ background-color: rgb(253,  
196, 222) }
```

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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