

# Converting Colors

$Y_{xy}(65.5907, 0.3154, 0.2715)$

Have a look what the booklet for  
Yxy(65.5907, 0.3154, 0.2715)  
contains.

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# Color

**Yxy(65.6142, 0.3154, 0.2714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBC1FB
RGB	251, 193, 251
RGB Percent	98%, 76%, 98%
CMY	0.0159, 0.2430, 0.0158
CMYK	0.00, 0.23, 0.00, 0.02
HSL	300°, 88%, 87%
HSV	300°, 23%, 98%
XYZ	76.2517, 65.6142, 99.8960
YIQ	216.9540, 15.9500, 30.3340

# Conversions

## Conversions Part 2

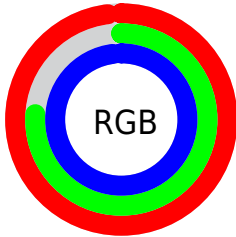
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 193, 251
Decimal	16499195
CIE Lab	84.80, 30.11, -20.55
CIE LCh	85, 36.456, 325.695
Yxy	65.6142, 0.3154, 0.2714
Android (android.graphics.Color)	4294689275 (0xFFFBC1FB)
YUV	216.9540, 16.7847, 29.8583
Hunter-Lab	81.0026, 26.2763, -16.4173

# Details

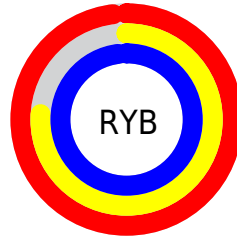
The Yxy color **65.6142, 0.3154, 0.2714** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **84.1782, 0.3097, 0.3942**, and the grayscale version is **69.2295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8512, 0.3129, 0.3242**, and **33.8296, 0.3160, 0.2593** is the 20% darker color. If you saturate the color by 10%, you get **55.4423, 0.3166, 0.2466**, and if you desaturate by 10%, it is **77.6749, 0.3142, 0.2966**.

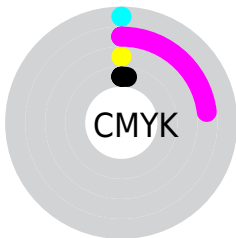
# Distribution



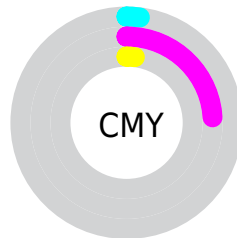
- Red (98%)
- Green (76%)
- Blue (98%)



- Red (98%)
- Yellow (76%)
- Blue (98%)



- Cyan (0%)
- Magenta (23%)
- Yellow (0%)
- Black (2%)




- Cyan (2%)
- Magenta (24%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6142, 0.3154, 0.2714 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 65.6142, 0.3154, 0.2714 by changing the saturation by 10% instead.




 65.6142, 0.3154,  
0.2714

 65.6142, 0.3154,  
0.2714


444.9959, 0.3147,  
0.2972

 47.9593, 0.3155,  
0.2657


 112.9324, 0.3152,  
0.2802

 33.7946, 0.3155,  
0.2588


143.3645, 0.3152,  
0.2837

 22.7359, 0.3154,  
0.2502


178.8245, 0.3151,  
0.2867

 14.3986, 0.3151,  
0.2392

219.6967, 0.3150,  
0.2893

 8.3984, 0.3145,  
0.2248

266.3655, 0.3149,  
0.2916

 4.3509, 0.3132,  
0.2051


319.2154, 0.3148,


 1.8717, 0.3101,


0.2937


0.1767


378.6307, 0.3147,  
0.2955


 0.5313, 0.3052,  
0.1241


 0.0000, 0.1884,  
0.0000


 65.6142, 0.3154,  
0.2714


 65.6142, 0.3154,  
0.2714


 55.4423, 0.3166,  
0.2466


 77.6749, 0.3142,  
0.2966


 47.0554, 0.3176,  
0.2232

 91.7040, 0.3131,  
0.3215

 40.3533, 0.3186,  
0.2021

 98.9909, 0.3125,  
0.3329

 35.2221, 0.3194,  
0.1843

 98.9928, 0.3125,  
0.3329

31.5338, 0.3201,  
0.1705

98.9948, 0.3126,  
0.3329

29.1407, 0.3205,  
0.1610

98.9967, 0.3126,  
0.3329

27.8631, 0.3207,  
0.1558

98.9986, 0.3126,  
0.3329

27.4502, 0.3208,  
0.1541

99.0006, 0.3126,  
0.3329

99.0025, 0.3126,  
0.3329

# Harmonies

## Analogous

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



65.6142, 0.2721, 0.2572



65.6142, 0.3154, 0.2714



65.6142, 0.3610, 0.2984

# Triad

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



65.6142, 0.3154, 0.2714



65.6142, 0.3863, 0.3989



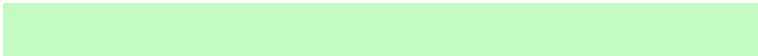
65.6142, 0.2372, 0.3160

# Complementary

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



65.6142, 0.3154, 0.2714



84.1782, 0.3097, 0.3942

# 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.



65.6142, 0.2641, 0.3611



65.6142, 0.3154, 0.2714



65.6142, 0.3498, 0.4113

# Square

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



65.6142, 0.3154, 0.2714



65.6142, 0.4033, 0.3694



65.6142, 0.3049, 0.3980



65.6142, 0.2295, 0.2793



# Rectangle

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



65.6142, 0.3154, 0.2714



65.6142, 0.3854, 0.3212



65.6142, 0.3049, 0.3980



65.6142, 0.2442, 0.3308

# Sweetspot

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



65.6171, 0.3154, 0.2714



89.1339, 0.3135, 0.3118



56.8854, 0.2734, 0.2649



18.8882, 0.3136, 0.3103



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.



65.6171, 0.3154, 0.2714



62.5894, 0.3160, 0.2591



63.9838, 0.3365, 0.2983



17.5242, 0.3138, 0.3056



14.4316, 0.3208, 0.1541



1.3367, 0.3208, 0.1541



# Inverse Universe

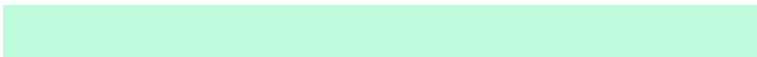
The Inverse Universe completely reimagines the original color for something new.



62.5102, 0.3606, 0.3291



58.8202, 0.3744, 0.3292



85.5460, 0.2942, 0.3619



17.2253, 0.3294, 0.3290



10.7807, 0.6400, 0.3299



0.9985, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 65.6142, 0.3154, 0.2714 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

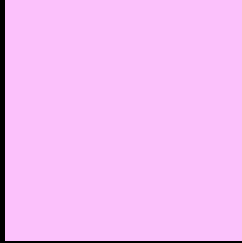
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.6142, 0.3154, 0.2714 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

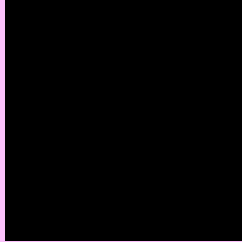
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.6142, 0.3154, 0.2714**

## Background



This preview shows how black text looks on a background with the Yxy color 65.6142, 0.3154, 0.2714.

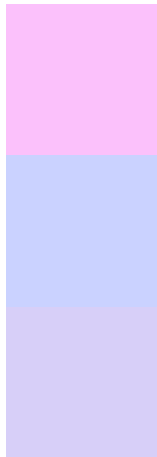


This preview shows how white text looks on a background with the Yxy color 65.6142, 0.3154, 0.2714.

# 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

65.6142, 0.3154, 0.2714

### Protanopia

65.8697, 0.2783, 0.2801

### Deuteranopia

65.8500, 0.2911, 0.2849



## Tritanopia

65.8077, 0.3378, 0.3134

# Trichromacy



## Original Color

65.6142, 0.3154, 0.2714



## Protanomaly

65.5571, 0.2907, 0.2762



## Deuteranomaly

65.5746, 0.2996, 0.2798



## Tritanomaly

65.4904, 0.3298, 0.2972

# Monochromacy



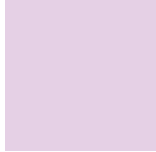
## Original Color

65.6142, 0.3154, 0.2714



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

67.4269, 0.3138, 0.3066

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.6142, 0.3154, 0.2714 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(251, 193, 251)` looks like.

```
.text, #text, p{  
    color:rgb(251, 193, 251)  
}
```

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(251, 193, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 193, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 65.6142, 0.3154, 0.2714 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(251, 193, 251) }
```

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

```
.border{ border-color:rgb(251, 193, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 193, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 193, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 193, 251);  
box-shadow:4px 4px 4px 4px rgb(251, 193,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.6142, 0.3154, 0.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 193, 251) }
```

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

```
.background{ background-color: rgb(251,  
193, 251) }
```

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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