

# Converting Colors

$Yxy(66.7121, 0.3163, 0.2812)$

Have a look what the booklet for  
Yxy(66.7121, 0.3163, 0.2812)  
contains.

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# Color

**Yxy(66.7549, 0.3165, 0.2815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7C6F5
RGB	247, 198, 245
RGB Percent	97%, 78%, 96%
CMY	0.0311, 0.2236, 0.0391
CMYK	0.00, 0.20, 0.01, 0.03
HSL	303°, 76%, 87%
HSV	303°, 20%, 97%
XYZ	75.0548, 66.7549, 95.3303
YIQ	218.0090, 14.1170, 25.0050

# Conversions

## Conversions Part 2

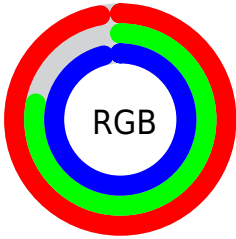
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 198, 245
Decimal	16238325
CIE Lab	85.38, 25.17, -16.54
CIE LCh	85, 30.115, 326.690
Yxy	66.7549, 0.3165, 0.2815
Android (android.graphics.Color)	4294428405 (0xFFFF7C6F5)
YUV	218.0090, 13.3066, 25.4251
Hunter-Lab	81.7037, 20.9926, -11.9859

# Details

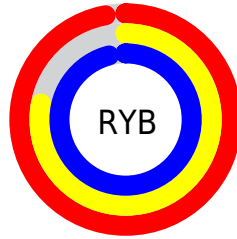
The Yxy color  $66.7549, 0.3165, 0.2815$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $82.7411, 0.3090, 0.3816$ , and the grayscale version is  $70.0227, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $34.5678, 0.3164, 0.2708$  is the 20% darker color. If you saturate the color by 10%, you get  $56.3080, 0.3186, 0.2574$ , and if you desaturate by 10%, it is  $79.0502, 0.3145, 0.3057$ .

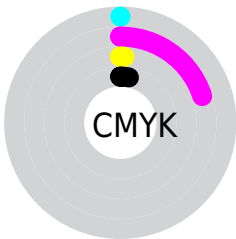
# Distribution



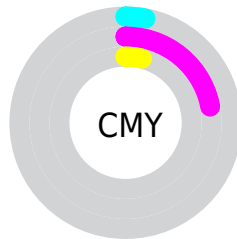
- Red (97%)
- Green (78%)
- Blue (96%)



- Red (97%)
- Yellow (78%)
- Blue (96%)



- Cyan (0%)
- Magenta (20%)
- Yellow (1%)
- Black (3%)




- Cyan (3%)
- Magenta (22%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7549, 0.3165, 0.2815 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 66.7549, 0.3165, 0.2815 by changing the saturation by 10% instead.



 66.7549, 0.3165,  
0.2815

 66.7549, 0.3165,  
0.2815

449.0718, 0.3151,  
0.3029

 48.8855, 0.3167,  
0.2767


114.5691, 0.3161,  
0.2888

 34.5286, 0.3170,  
0.2709


145.2827, 0.3159,  
0.2917

 23.3000, 0.3173,  
0.2637


181.0465, 0.3157,  
0.2942

 14.8152, 0.3175,  
0.2544

222.2449, 0.3156,  
0.2964

 8.6898, 0.3177,  
0.2420

269.2622, 0.3154,  
0.2983

 4.5394, 0.3175,  
0.2249


322.4828, 0.3153,


 1.9796, 0.3166,

0.3000


0.1996


382.2913, 0.3152,  
0.3016


 0.5956, 0.3152,  
0.1529


 0.0000, 0.1763,  
0.0000


 66.7549, 0.3165,  
0.2815


 66.7549, 0.3165,  
0.2815


 56.3080, 0.3186,  
0.2574

 79.0502, 0.3145,  
0.3057


 47.6115, 0.3208,  
0.2341

 93.2683, 0.3127,  
0.3293

 40.5717, 0.3230,  
0.2128

 98.0927, 0.3118,  
0.3357

 35.0827, 0.3251,  
0.1942

 98.1571, 0.3112,  
0.3347

31.0261, 0.3271,  
0.1794

98.2219, 0.3106,  
0.3336

28.2669, 0.3289,  
0.1689

98.2870, 0.3100,  
0.3326

26.6441, 0.3305,  
0.1627

98.3525, 0.3094,  
0.3316

25.8942, 0.3319,  
0.1602

98.4184, 0.3088,  
0.3306

25.8866, 0.3319,  
0.1602

98.4846, 0.3082,  
0.3296

# Harmonies

## Analogous

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



66.7549, 0.2804, 0.2692



66.7549, 0.3165, 0.2815



66.7549, 0.3536, 0.3047

# Triad

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



66.7549, 0.3165, 0.2815



66.7549, 0.3728, 0.3876



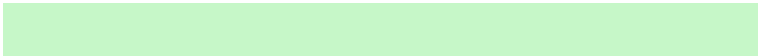
66.7549, 0.2496, 0.3177

# Complementary

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



66.7549, 0.3165, 0.2815



82.7411, 0.3090, 0.3816

# 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.



66.7549, 0.2718, 0.3541



66.7549, 0.3165, 0.2815



66.7549, 0.3426, 0.3961

# Square

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



66.7549, 0.3165, 0.2815



66.7549, 0.3870, 0.3642



66.7549, 0.3055, 0.3841



66.7549, 0.2435, 0.2876



# Rectangle

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



66.7549, 0.3165, 0.2815



66.7549, 0.3730, 0.3240



66.7549, 0.3055, 0.3841



66.7549, 0.2553, 0.3297

# Sweetspot

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



66.7578, 0.3165, 0.2815



90.5825, 0.3138, 0.3149



59.3221, 0.2806, 0.2742



19.1788, 0.3139, 0.3134



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.



66.7578, 0.3165, 0.2815



66.8107, 0.3174, 0.2714



65.3785, 0.3344, 0.3053



16.7556, 0.3144, 0.3066



13.6867, 0.3317, 0.1601



1.2066, 0.3302, 0.1593



# Inverse Universe

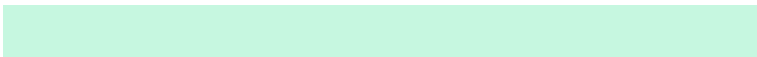
The Inverse Universe completely reimagines the original color for something new.



66.7578, 0.3165, 0.2815



66.8107, 0.3174, 0.2714



83.9602, 0.2953, 0.3540



16.7556, 0.3144, 0.3066



13.6867, 0.3317, 0.1601



1.2066, 0.3302, 0.1593



# Previews

## White Background



This preview shows how the Yxy color 66.7549, 0.3165, 0.2815 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

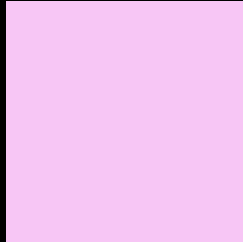
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.7549, 0.3165, 0.2815 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

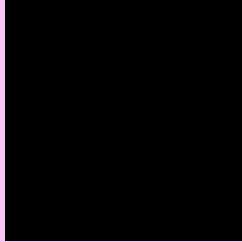
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.7549, 0.3165, 0.2815**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7549, 0.3165, 0.2815.

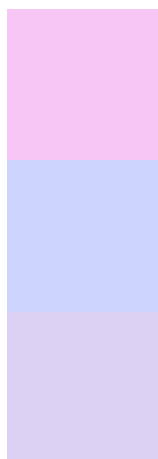


This preview shows how white text looks on a background with the Yxy color 66.7549, 0.3165, 0.2815.

# 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

66.7549, 0.3165, 0.2815

### Protanopia

67.2219, 0.2810, 0.2836

### Deuteranopia

66.7985, 0.2979, 0.2915



## Tritanopia

66.8285, 0.3328, 0.3133

# Trichromacy



## Original Color

66.7549, 0.3165, 0.2815



## Protanomaly

66.8063, 0.2927, 0.2824



## Deuteranomaly

66.5404, 0.3044, 0.2870



## Tritanomaly

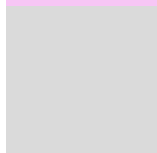
66.6078, 0.3263, 0.3010

# Monochromacy



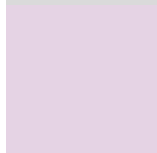
## Original Color

66.7549, 0.3165, 0.2815



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

68.8480, 0.3143, 0.3109

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.7549, 0.3165, 0.2815 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, 198, 245)` looks like.

```
.text, #text, p{  
    color:rgb(247, 198, 245)  
}
```

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, 198, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 198, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7549, 0.3165, 0.2815 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, 198, 245) }
```

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

```
.border{ border-color:rgb(247, 198, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 198, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 198, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 198, 245);  
box-shadow:4px 4px 4px 4px rgb(247, 198,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.7549, 0.3165, 0.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 198, 245) }
```

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

```
.background{ background-color: rgb(247,  
198, 245) }
```

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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