

# Converting Colors

$Y_{xy}(67.0244, 0.3209, 0.2951)$

Have a look what the booklet for  
Yxy(67.0244, 0.3209, 0.2951)  
contains.

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# Color

**Yxy(66.7685, 0.3212, 0.2950)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F3C9EA
RGB	243, 201, 234
RGB Percent	95%, 79%, 92%
CMY	0.0470, 0.2117, 0.0825
CMYK	0.00, 0.17, 0.04, 0.05
HSL	313°, 64%, 87%
HSV	313°, 17%, 95%
XYZ	72.6984, 66.7685, 86.8670
YIQ	217.3200, 14.4390, 19.1670

# Conversions

## Conversions Part 2

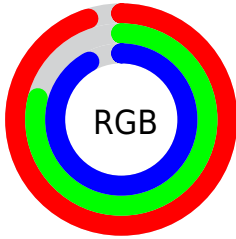
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 201, 234
Decimal	15976938
CIE <sub>Lab</sub>	85.39, 20.25, -10.69
CIE <sub>LCh</sub>	85, 22.898, 332.174
Yxy	66.7685, 0.3212, 0.2950
Android (android.graphics.Color)	4294167018 (0xFFFF3C9EA)
YUV	217.3200, 8.2232, 22.5214
Hunter-Lab	81.7120, 15.8139, -5.8320

# Details

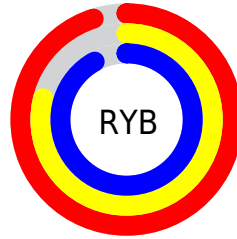
The Yxy color **66.7685, 0.3212, 0.2950** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **81.1837, 0.3052, 0.3656**, and the grayscale version is **69.5554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.6466, 0.3237, 0.2879** is the 20% darker color. If you saturate the color by 10%, you get **56.0265, 0.3272, 0.2747**, and if you desaturate by 10%, it is **79.3176, 0.3160, 0.3150**.

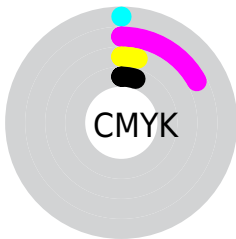
# Distribution



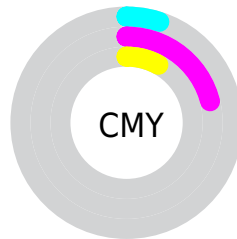
- Red (95%)
- Green (79%)
- Blue (92%)



- Red (95%)
- Yellow (79%)
- Blue (92%)



- Cyan (0%)
- Magenta (17%)
- Yellow (4%)
- Black (5%)




- Cyan (5%)
- Magenta (21%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7685, 0.3212, 0.2950 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 66.7685, 0.3212, 0.2950 by changing the saturation by 10% instead.




 66.7685, 0.3212,  
0.2950

 66.7685, 0.3212,  
0.2950

449.1203, 0.3174,  
0.3105

 48.8965, 0.3220,  
0.2915


114.5886, 0.3199,  
0.3003

 34.5374, 0.3230,  
0.2872


145.3056, 0.3194,  
0.3024

 23.3067, 0.3243,  
0.2818


181.0730, 0.3190,  
0.3042

 14.8202, 0.3259,  
0.2748

222.2752, 0.3186,  
0.3058

 8.6933, 0.3279,  
0.2654

269.2966, 0.3182,  
0.3072

 4.5417, 0.3308,  
0.2521


322.5217, 0.3179,


 1.9809, 0.3348,

0.3084


0.2318

382.3348, 0.3177,  
0.3095


 0.5964, 0.3440,  
0.1898


 0.0000, 0.0446,  
0.0000

 66.7685, 0.3212,  
0.2950


 66.7685, 0.3212,  
0.2950


 56.0265, 0.3272,  
0.2747

 79.3176, 0.3160,  
0.3150


 46.9987, 0.3339,  
0.2546

 93.7435, 0.3116,  
0.3341

 39.5970, 0.3414,  
0.2356

 97.4587, 0.3084,  
0.3342

 33.7223, 0.3495,  
0.2186

 97.7913, 0.3054,  
0.3291

■ 29.2643, 0.3580,  
0.2048

■ 97.7971, 0.3054,  
0.3290

■ 26.0980, 0.3666,  
0.1950

■ 24.0766, 0.3752,  
0.1899

■ 23.0088, 0.3833,  
0.1894

■ 22.8028, 0.3855,  
0.1897

# Harmonies

## Analogous

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



66.7685, 0.2928, 0.2837



66.7685, 0.3212, 0.2950



66.7685, 0.3483, 0.3144

# Triad

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



66.7685, 0.3212, 0.2950



66.7685, 0.3552, 0.3760



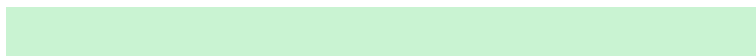
66.7685, 0.2623, 0.3162

# Complementary

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



66.7685, 0.3212, 0.2950



81.1837, 0.3052, 0.3656

# 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.



66.7685, 0.2776, 0.3432



66.7685, 0.3212, 0.2950



66.7685, 0.3309, 0.3790

# Square

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



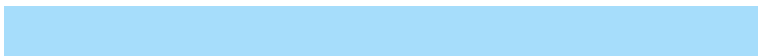
66.7685, 0.3212, 0.2950



66.7685, 0.3683, 0.3604



66.7685, 0.3025, 0.3669



66.7685, 0.2599, 0.2945



# Rectangle

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



66.7685, 0.3212, 0.2950



66.7685, 0.3615, 0.3299



66.7685, 0.3025, 0.3669



66.7685, 0.2661, 0.3250

# Sweetspot

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



66.7714, 0.3212, 0.2950



91.9575, 0.3149, 0.3194



61.8628, 0.2902, 0.2828



19.4499, 0.3153, 0.3180



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.



66.7714, 0.3212, 0.2950



69.7423, 0.3234, 0.2874



65.6682, 0.3363, 0.3158



16.7036, 0.3171, 0.3106



12.5342, 0.3843, 0.1891



1.1165, 0.3748, 0.1838



# Inverse Universe

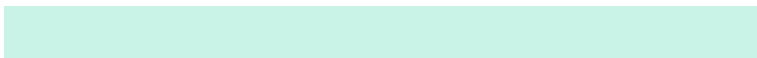
The Inverse Universe completely reimagines the original color for something new.



66.7714, 0.3212, 0.2950



69.7423, 0.3234, 0.2874



82.2639, 0.2936, 0.3427



16.7036, 0.3171, 0.3106



12.5342, 0.3843, 0.1891



1.1165, 0.3748, 0.1838



# Previews

## White Background



This preview shows how the Yxy color 66.7685, 0.3212, 0.2950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

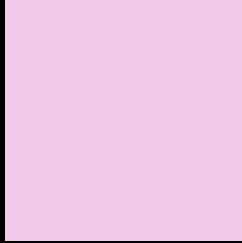
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.7685, 0.3212, 0.2950 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

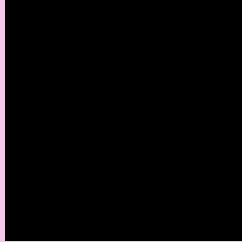
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.7685, 0.3212, 0.2950**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7685, 0.3212, 0.2950.



This preview shows how white text looks on a background with the Yxy color 66.7685, 0.3212, 0.2950.

# 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

66.7685, 0.3212, 0.2950

### Protanopia

66.9932, 0.2916, 0.2972

### Deuteranopia

67.1637, 0.3088, 0.3022



## Tritanopia

66.5271, 0.3305, 0.3122

# Trichromacy



## Original Color

66.7685, 0.3212, 0.2950

## Protanomaly

66.6569, 0.3018, 0.2967

## Deuteranomaly

66.7016, 0.3134, 0.2994

## Tritanomaly

66.5001, 0.3276, 0.3060

# Monochromacy



## Original Color

66.7685, 0.3212, 0.2950

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

68.0850, 0.3155, 0.3160

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.7685, 0.3212, 0.2950 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(243, 201, 234)` looks like.

```
.text, #text, p{  
    color:rgb(243, 201, 234)  
}
```

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(243, 201, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 201, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7685, 0.3212, 0.2950 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(243, 201, 234) }
```

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

```
.border{ border-color:rgb(243, 201, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 201, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 201, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 201, 234);  
box-shadow:4px 4px 4px 4px rgb(243, 201,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.7685, 0.3212, 0.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 201, 234) }
```

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

```
.background{ background-color: rgb(243,  
201, 234) }
```

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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