

# Converting Colors

Yxy(64.5979, 0.3247, 0.2902)

Have a look what the booklet for  
Yxy(64.5979, 0.3247, 0.2902)  
contains.

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# Color

**Yxy(64.5062, 0.3247, 0.2900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6C3E9
RGB	246, 195, 233
RGB Percent	96%, 76%, 91%
CMY	0.0353, 0.2353, 0.0864
CMYK	0.00, 0.21, 0.05, 0.04
HSL	315°, 74%, 86%
HSV	315°, 21%, 96%
XYZ	72.2247, 64.5062, 85.7043
YIQ	214.5810, 18.1980, 22.6300

# Conversions

## Conversions Part 2

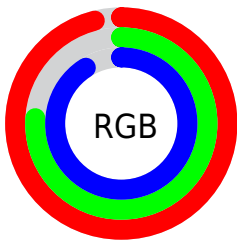
Format	Color
R <sub>Y</sub> B	246, 195, 233
Decimal	16172009
CIE Lab	84.23, 24.25, -11.85
CIE LCh	84, 26.990, 333.947
Yxy	64.5062, 0.3247, 0.2900
Android (android.graphics.Color)	4294362089 (0xFFFF6C3E9)
YUV	214.5810, 9.0806, 27.5545
Hunter-Lab	80.3158, 19.9652, -7.0468

# Details

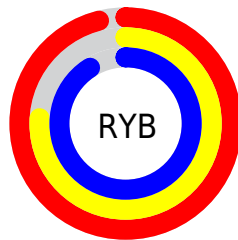
The Yxy color **64.5062, 0.3247, 0.2900** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **82.0732, 0.3026, 0.3714**, and the grayscale version is **67.5863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1008, 0.3128, 0.3261**, and **33.0429, 0.3274, 0.2814** is the 20% darker color. If you saturate the color by 10%, you get **54.0245, 0.3319, 0.2706**, and if you desaturate by 10%, it is **76.8224, 0.3184, 0.3092**.

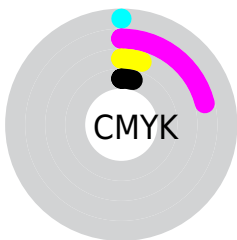
# Distribution



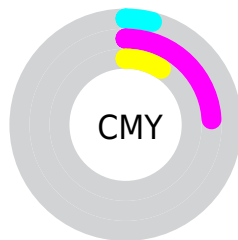
- Red (96%)
- Green (76%)
- Blue (91%)



- Red (96%)
- Yellow (76%)
- Blue (91%)



- Cyan (0%)
- Magenta (21%)
- Yellow (5%)
- Black (4%)




- Cyan (4%)
- Magenta (24%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5062, 0.3247, 0.2900 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 64.5062, 0.3247, 0.2900 by changing the saturation by 10% instead.





 64.5062, 0.3247,  
0.2900

 64.5062, 0.3247,  
0.2900

441.0153, 0.3193,  
0.3078

 47.0608, 0.3259,  
0.2860


 111.3396, 0.3229,  
0.2961

 33.0837, 0.3273,  
0.2810


141.4964, 0.3221,  
0.2985

 22.1906, 0.3292,  
0.2748


176.6592, 0.3215,  
0.3006

 13.9970, 0.3315,  
0.2668

217.2122, 0.3210,  
0.3024

 8.1186, 0.3345,  
0.2560

263.5399, 0.3205,  
0.3040

 4.1709, 0.3387,  
0.2406


316.0268, 0.3200,

 1.7696, 0.3448,


0.3054


0.2174

375.0571, 0.3197,  
0.3067


 0.4681, 0.3617,  
0.1609


 0.0000, 0.0000,  
0.0000

 64.5062, 0.3247,  
0.2900


 64.5062, 0.3247,  
0.2900


 54.0245, 0.3319,  
0.2706


 76.8224, 0.3184,  
0.3092


 45.2797, 0.3402,  
0.2516

 91.0475, 0.3131,  
0.3277

 38.1784, 0.3493,  
0.2339

 98.1312, 0.3090,  
0.3321

 32.6145, 0.3592,  
0.2186

 98.3333, 0.3072,  
0.3290

■ 28.4698, 0.3696,  
0.2066

■ 25.6087, 0.3802,  
0.1991

■ 23.8690, 0.3907,  
0.1964

■ 23.0156, 0.4000,  
0.1977

# Harmonies

## Analogous

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



64.5062, 0.2908, 0.2760



64.5062, 0.3247, 0.2900



64.5062, 0.3568, 0.3131

# Triad

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



64.5062, 0.3247, 0.2900



64.5062, 0.3618, 0.3856



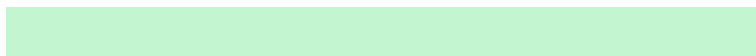
64.5062, 0.2524, 0.3116

# Complementary

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



64.5062, 0.3247, 0.2900



82.0732, 0.3026, 0.3714

# 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.



64.5062, 0.2695, 0.3439



64.5062, 0.3247, 0.2900



64.5062, 0.3321, 0.3887

# Square

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



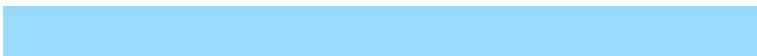
64.5062, 0.3247, 0.2900



64.5062, 0.3786, 0.3673



64.5062, 0.2983, 0.3733



64.5062, 0.2506, 0.2866



# Rectangle

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



64.5062, 0.3247, 0.2900



64.5062, 0.3721, 0.3314



64.5062, 0.2983, 0.3733



64.5062, 0.2565, 0.3219

# Sweetspot

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



64.5090, 0.3247, 0.2900



90.3742, 0.3158, 0.3180



59.0637, 0.2868, 0.2728



19.1295, 0.3161, 0.3168



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.



64.5090, 0.3247, 0.2900



64.8447, 0.3277, 0.2816



63.1703, 0.3442, 0.3156



16.6916, 0.3177, 0.3116



12.3085, 0.3984, 0.1968



1.0984, 0.3865, 0.1903



# Inverse Universe

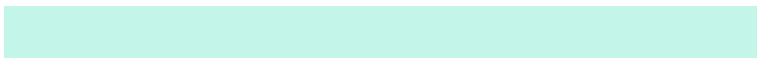
The Inverse Universe completely reimagines the original color for something new.



64.5090, 0.3247, 0.2900



64.8447, 0.3277, 0.2816



83.4143, 0.2886, 0.3428



16.6916, 0.3177, 0.3116



12.3085, 0.3984, 0.1968



1.0984, 0.3865, 0.1903



# Previews

## White Background



This preview shows how the Yxy color 64.5062, 0.3247, 0.2900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

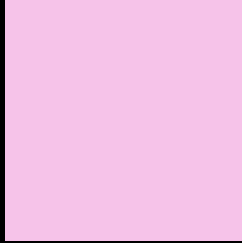
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.5062, 0.3247, 0.2900 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 64.5062, 0.3247, 0.2900**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.5062, 0.3247, 0.2900.



This preview shows how white text looks on a background with the Yxy color 64.5062, 0.3247, 0.2900.

# 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

64.5062, 0.3247, 0.2900

### Protanopia

64.9909, 0.2881, 0.2925

### Deuteranopia

64.8043, 0.3066, 0.3007



## Tritanopia

64.2979, 0.3364, 0.3122

# Trichromacy



## Original Color

64.5062, 0.3247, 0.2900

## Protanomaly

64.6334, 0.3005, 0.2912

## Deuteranomaly

64.4225, 0.3128, 0.2959

## Tritanomaly

64.3861, 0.3320, 0.3039

# Monochromacy



## Original Color

64.5062, 0.3247, 0.2900

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

66.5544, 0.3164, 0.3138

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5062, 0.3247, 0.2900 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(246, 195, 233)` looks like.

```
.text, #text, p{  
    color:rgb(246, 195, 233)  
}
```

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(246, 195, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 195, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5062, 0.3247, 0.2900 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(246, 195, 233) }
```

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

```
.border{ border-color:rgb(246, 195, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 195, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 195, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 195, 233);  
box-shadow:4px 4px 4px 4px rgb(246, 195,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5062, 0.3247, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 195, 233) }
```

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

```
.background{ background-color: rgb(246,  
195, 233) }
```

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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