

# Converting Colors

Yxy(66.5319, 0.2884, 0.2458)

Have a look what the booklet for  
Yxy(66.5319, 0.2884, 0.2458)  
contains.

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# Color

**Yxy(64.9510, 0.3051, 0.2683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1C3FF
RGB	241, 195, 255
RGB Percent	95%, 76%, 100%
CMY	0.0547, 0.2354, 0.0000
CMYK	0.05, 0.24, 0.00, 0.00
HSL	286°, 100%, 88%
HSV	286°, 24%, 100%
XYZ	73.8597, 64.9510, 103.2728
YIQ	215.5940, 8.1560, 28.4120

# Conversions

## Conversions Part 2

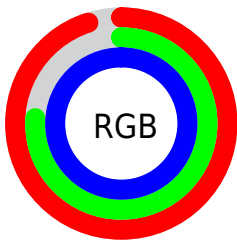
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 195, 255
Decimal	15844351
CIE Lab	84.46, 26.67, -23.30
CIE LCh	84, 35.417, 318.862
Yxy	64.9510, 0.3051, 0.2683
Android (android.graphics.Color)	4294034431 (0xFFFF1C3FF)
YUV	215.5940, 19.4272, 22.2811
Hunter-Lab	80.5922, 22.5521, -19.5611

# Details

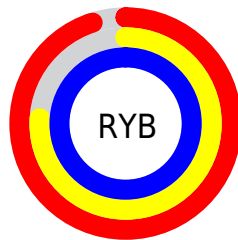
The Yxy color **64.9510, 0.3051, 0.2683** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.0018, 0.3182, 0.3940**, and the grayscale version is **68.2436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1008, 0.3128, 0.3261**, and **33.3173, 0.3024, 0.2552** is the 20% darker color. If you saturate the color by 10%, you get **53.4605, 0.3008, 0.2413**, and if you desaturate by 10%, it is **78.4287, 0.3088, 0.2949**.

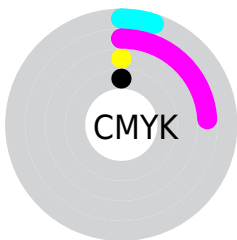
# Distribution



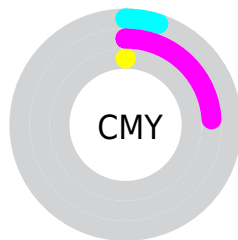
- Red (95%)
- Green (76%)
- Blue (100%)



- Red (95%)
- Yellow (76%)
- Blue (100%)



- Cyan (5%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (24%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9510, 0.3051, 0.2683 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 64.9510, 0.3051, 0.2683 by changing the saturation by 10% instead.




 64.9510, 0.3051,  
0.2683

 64.9510, 0.3051,  
0.2683


442.6159, 0.3092,  
0.2955

 47.4213, 0.3040,  
0.2623


 111.9794, 0.3066,  
0.2776

 33.3689, 0.3027,  
0.2550


142.2470, 0.3072,  
0.2812

 22.4092, 0.3009,  
0.2459


177.5293, 0.3077,  
0.2844

 14.1579, 0.2983,  
0.2343

218.2107, 0.3081,  
0.2872

 8.2305, 0.2947,  
0.2191

264.6757, 0.3084,  
0.2896

 4.2428, 0.2889,  
0.1983


317.3086, 0.3087,


 1.8103, 0.2791,


0.2918


0.1686


376.4939, 0.3090,  
0.2938

 0.4936, 0.2630,  
0.1127

 0.0000, 0.0661,  
0.0000


 64.9510, 0.3051,  
0.2683


 64.9510, 0.3051,  
0.2683

 53.4605, 0.3008,  
0.2413

 78.4287, 0.3088,  
0.2949

 43.8543, 0.2959,  
0.2148

 93.9826, 0.3118,  
0.3203

 36.0256, 0.2904,  
0.1898

100.0000, 0.3127,  
0.3290

 29.8550, 0.2844,  
0.1675

■ 25.2084, 0.2781,  
0.1489

■ 21.9304, 0.2718,  
0.1348

■ 19.8319, 0.2655,  
0.1255

■ 18.9281, 0.2616,  
0.1215

# Harmonies

## Analogous

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



64.9510, 0.2650, 0.2578



64.9510, 0.3051, 0.2683



64.9510, 0.3502, 0.2923

# Triad

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



64.9510, 0.3051, 0.2683



64.9510, 0.3903, 0.3918



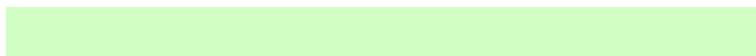
64.9510, 0.2435, 0.3262

# Complementary

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



64.9510, 0.3051, 0.2683



89.0018, 0.3182, 0.3940

# 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.



64.9510, 0.2735, 0.3698



64.9510, 0.3051, 0.2683



64.9510, 0.3582, 0.4085

# Square

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



64.9510, 0.3051, 0.2683



64.9510, 0.4013, 0.3608



64.9510, 0.3153, 0.4014



64.9510, 0.2315, 0.2875



# Rectangle

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



64.9510, 0.3051, 0.2683



64.9510, 0.3763, 0.3136



64.9510, 0.3153, 0.4014



64.9510, 0.2517, 0.3409

# Sweetspot

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



64.9521, 0.3051, 0.2683



88.3577, 0.3108, 0.3117



64.4115, 0.2737, 0.2783



18.7079, 0.3106, 0.3102



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.



64.9521, 0.3051, 0.2683



59.5854, 0.3033, 0.2563



66.5117, 0.3272, 0.2851



18.0753, 0.3101, 0.3053



9.9614, 0.2626, 0.1220



1.0190, 0.2696, 0.1259



# Inverse Universe

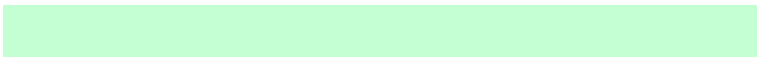
The Inverse Universe completely reimagines the original color for something new.



64.8792, 0.3505, 0.3148



59.5535, 0.3601, 0.3119



87.8214, 0.3009, 0.3774



18.0562, 0.3258, 0.3235



11.2937, 0.5990, 0.3073



1.1156, 0.5680, 0.2903



# Previews

## White Background



This preview shows how the Yxy color 64.9510, 0.3051, 0.2683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

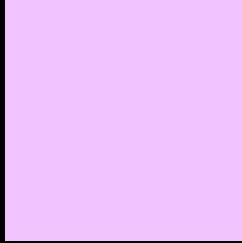
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9510, 0.3051, 0.2683 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

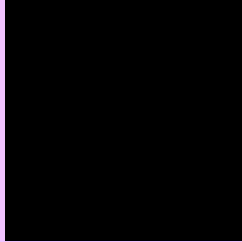
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.9510, 0.3051, 0.2683**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9510, 0.3051, 0.2683.

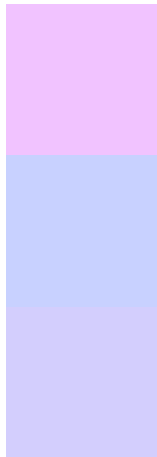


This preview shows how white text looks on a background with the Yxy color 64.9510, 0.3051, 0.2683.

# 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

64.9510, 0.3051, 0.2683

### Protanopia

65.1003, 0.2769, 0.2788

### Deuteranopia

65.0833, 0.2852, 0.2785



## Tritanopia

64.9652, 0.3267, 0.3119

# Trichromacy



## Original Color

64.9510, 0.3051, 0.2683



## Protanomaly

64.8528, 0.2866, 0.2747



## Deuteranomaly

64.9264, 0.2921, 0.2743



## Tritanomaly

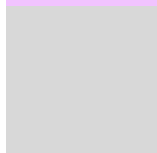
64.6209, 0.3189, 0.2954

# Monochromacy



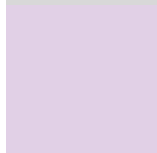
## Original Color

64.9510, 0.3051, 0.2683



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

66.8325, 0.3101, 0.3053

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9510, 0.3051, 0.2683 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(241, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 195, 255)  
}
```

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(241, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 195, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9510, 0.3051, 0.2683 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(241, 195, 255) }
```

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

```
.border{ border-color:rgb(241, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(241, 195, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(241, 195, 255); box-shadow:4px 4px 4px 4px rgb(241, 195, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9510, 0.3051, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 195, 255) }
```

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

```
.background{ background-color: rgb(241,  
195, 255) }
```

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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