

# Converting Colors

$Y_{xy}(68.0460, 0.2722, 0.2266)$

Have a look what the booklet for  
Yxy(68.0460, 0.2722, 0.2266)  
contains.

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# Color

**Yxy(64.4274, 0.3029, 0.2679)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEC3FF
RGB	238, 195, 255
RGB Percent	93%, 76%, 100%
CMY	0.0664, 0.2354, 0.0000
CMYK	0.07, 0.24, 0.00, 0.00
HSL	283°, 100%, 88%
HSV	283°, 24%, 100%
XYZ	72.8446, 64.4274, 103.2185
YIQ	214.6970, 6.3680, 27.7760

# Conversions

## Conversions Part 2

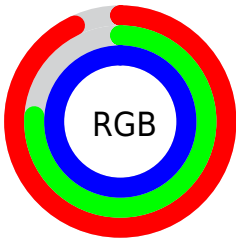
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 195, 255
Decimal	15647743
CIE <sub>Lab</sub>	84.19, 25.72, -23.73
CIE <sub>LCh</sub>	84, 35.000, 317.307
Y <sub>xy</sub>	64.4274, 0.3029, 0.2679
Android (android.graphics.Color)	4293837823 (0xFFEEC3FF)
YUV	214.6970, 19.8694, 20.4367
Hunter-Lab	80.2667, 21.5277, -20.0570

# Details

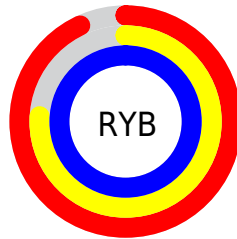
The Yxy color  $64.4274, 0.3029, 0.2679$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $89.4419, 0.3201, 0.3936$ , and the grayscale version is  $67.6039, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.1008, 0.3128, 0.3261$ , and  $33.0721, 0.3005, 0.2547$  is the 20% darker color. If you saturate the color by 10%, you get  $52.7423, 0.2975, 0.2405$ , and if you desaturate by 10%, it is  $78.1165, 0.3076, 0.2948$ .

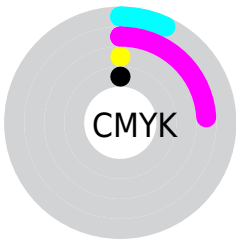
# Distribution



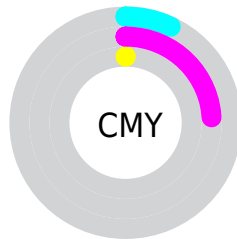
- Red (93%)
- Green (76%)
- Blue (100%)



- Red (93%)
- Yellow (76%)
- Blue (100%)



- Cyan (7%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (24%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4274, 0.3029, 0.2679 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 64.4274, 0.3029, 0.2679 by changing the saturation by 10% instead.



64.4274, 0.3029,  
0.2679

64.4274, 0.3029,  
0.2679

440.7314, 0.3080,  
0.2954

46.9969, 0.3016,  
0.2618

111.2262, 0.3048,  
0.2773

33.0332, 0.3000,  
0.2544

141.3634, 0.3055,  
0.2810

22.1519, 0.2978,  
0.2453

176.5049, 0.3061,  
0.2842

13.9686, 0.2948,  
0.2335

217.0351, 0.3066,  
0.2870

8.0988, 0.2904,  
0.2181

263.3385, 0.3070,  
0.2894

4.1582, 0.2838,  
0.1971

315.7994, 0.3074,

1.7625, 0.2725,

0.2916

0.1668

374.8023, 0.3077,  
0.2936

0.4636, 0.2544,  
0.1082

0.0000, 0.0168,  
0.0000

64.4274, 0.3029,  
0.2679

64.4274, 0.3029,  
0.2679

52.7423, 0.2975,  
0.2405

78.1165, 0.3076,  
0.2948

42.9568, 0.2912,  
0.2133

93.8974, 0.3115,  
0.3203

34.9639, 0.2843,  
0.1874

100.0000, 0.3127,  
0.3290

28.6443, 0.2769,  
0.1641

■ 23.8635, 0.2692,  
0.1444

■ 20.4659, 0.2614,  
0.1294

■ 18.2619, 0.2539,  
0.1192

■ 17.2975, 0.2492,  
0.1147

# Harmonies

## Analogous

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



64.4274, 0.2637, 0.2583



64.4274, 0.3029, 0.2679



64.4274, 0.3477, 0.2911

# Triad

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



64.4274, 0.3029, 0.2679



64.4274, 0.3908, 0.3899



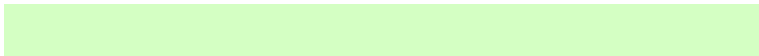
64.4274, 0.2452, 0.3285

# Complementary

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



64.4274, 0.3029, 0.2679



89.4419, 0.3201, 0.3936

# 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.



64.4274, 0.2758, 0.3714



64.4274, 0.3029, 0.2679



64.4274, 0.3599, 0.4074

# Square

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



64.4274, 0.3029, 0.2679



64.4274, 0.4004, 0.3588



64.4274, 0.3176, 0.4017



64.4274, 0.2323, 0.2896



# Rectangle

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



64.4274, 0.3029, 0.2679



64.4274, 0.3739, 0.3120



64.4274, 0.3176, 0.4017



64.4274, 0.2536, 0.3431

# Sweetspot

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



64.4290, 0.3029, 0.2679



88.1930, 0.3102, 0.3117



65.8973, 0.2740, 0.2817



18.6697, 0.3100, 0.3101



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.



64.4290, 0.3029, 0.2679



58.9739, 0.3006, 0.2557



66.6899, 0.3249, 0.2822



18.0279, 0.3093, 0.3053



9.1174, 0.2504, 0.1153



0.9429, 0.2587, 0.1199



# Inverse Universe

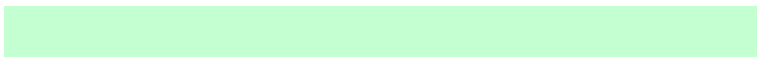
The Inverse Universe completely reimagines the original color for something new.



65.0281, 0.3481, 0.3117



59.7220, 0.3570, 0.3083



87.6720, 0.3025, 0.3808



18.0713, 0.3250, 0.3223



11.3746, 0.5831, 0.2986



1.1252, 0.5512, 0.2810



# Previews

## White Background



This preview shows how the Yxy color 64.4274, 0.3029, 0.2679 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

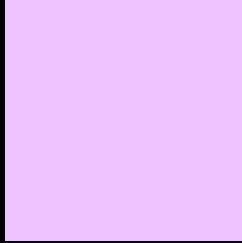
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.4274, 0.3029, 0.2679 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

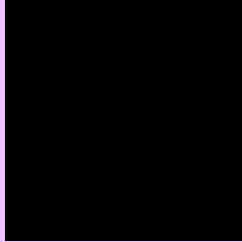
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

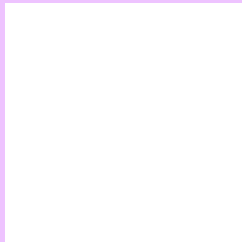
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.4274, 0.3029, 0.2679**

## Background



This preview shows how black text looks on a background with the Yxy color 64.4274, 0.3029, 0.2679.

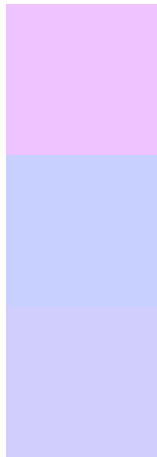


This preview shows how white text looks on a background with the Yxy color 64.4274, 0.3029, 0.2679.

# 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

64.4274, 0.3029, 0.2679

### Protanopia

64.4739, 0.2762, 0.2775

### Deuteranopia

64.7898, 0.2839, 0.2783



## Tritanopia

64.4588, 0.3243, 0.3118

# Trichromacy



## Original Color

64.4274, 0.3029, 0.2679



## Protanomaly

64.0780, 0.2852, 0.2734



## Deuteranomaly

64.6125, 0.2907, 0.2741



## Tritanomaly

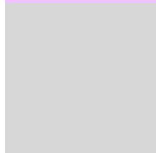
64.1088, 0.3166, 0.2951

# Monochromacy



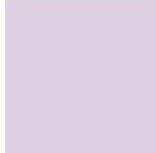
## Original Color

64.4274, 0.3029, 0.2679



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

66.5129, 0.3087, 0.3052

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4274, 0.3029, 0.2679 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(238, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 195, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4274, 0.3029, 0.2679 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(238, 195, 255) }
```

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

```
.border{ border-color:rgb(238, 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(238, 195, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 195,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4274, 0.3029, 0.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 195, 255) }
```

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

```
.background{ background-color: rgb(238,  
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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