

# Converting Colors

Yxy(66.9655, 0.2966, 0.2759)

Have a look what the booklet for  
Yxy(66.9655, 0.2966, 0.2759)  
contains.

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# Color

**Yxy(67.0637, 0.2964, 0.2762)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5CCFF
RGB	229, 204, 255
RGB Percent	90%, 80%, 100%
CMY	0.1018, 0.2000, 0.0000
CMYK	0.10, 0.20, 0.00, 0.00
HSL	269°, 100%, 90%
HSV	269°, 20%, 100%
XYZ	71.9684, 67.0637, 103.7763
YIQ	217.2890, -1.4710, 21.1610

# Conversions

## Conversions Part 2

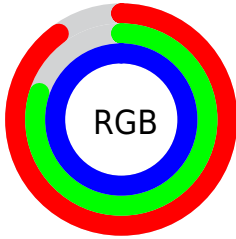
Format	Color
R <sub>Y</sub> B	229, 204, 255
Decimal	15060223
CIE Lab	85.54, 18.07, -21.76
CIE LCh	86, 28.286, 309.708
Yxy	67.0637, 0.2964, 0.2762
Android (android.graphics.Color)	4293250303 (0xFFE5CCFF)
YUV	217.2890, 18.5915, 10.2705
Hunter-Lab	81.8924, 13.5570, -17.8092

# Details

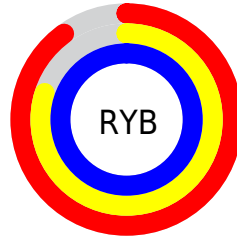
The Yxy color  $67.0637, 0.2964, 0.2762$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $92.6928, 0.3265, 0.3818$ , and the grayscale version is  $69.4708, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $34.7741, 0.2921, 0.2650$  is the 20% darker color. If you saturate the color by 10%, you get  $53.8647, 0.2863, 0.2471$ , and if you desaturate by 10%, it is  $82.4095, 0.3052, 0.3037$ .

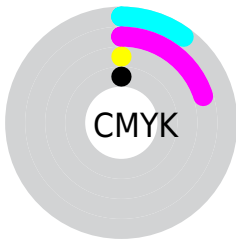
# Distribution



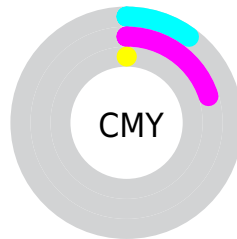
- Red (90%)
- Green (80%)
- Blue (100%)



- Red (90%)
- Yellow (80%)
- Blue (100%)



- Cyan (10%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0637, 0.2964, 0.2762 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 67.0637, 0.2964, 0.2762 by changing the saturation by 10% instead.



67.0637, 0.2964,  
0.2762

67.0637, 0.2964,  
0.2762

450.1715, 0.3043,  
0.3000

49.1364, 0.2945,  
0.2709

115.0117, 0.2992,  
0.2844

34.7277, 0.2921,  
0.2644

145.8011, 0.3003,  
0.2876

23.4532, 0.2891,  
0.2564

181.6468, 0.3012,  
0.2903

14.9285, 0.2850,  
0.2461

222.9330, 0.3020,  
0.2928

8.7692, 0.2793,  
0.2324

270.0442, 0.3027,  
0.2949

4.5910, 0.2709,  
0.2136

323.3647, 0.3033,

2.0093, 0.2573,

0.2968

0.1862

383.2790, 0.3038,  
0.2985

0.6129, 0.2341,  
0.1383

0.0000, 0.0000,  
0.0000

67.0637, 0.2964,  
0.2762

67.0637, 0.2964,  
0.2762

53.8647, 0.2863,  
0.2471

82.4095, 0.3052,  
0.3037

42.7082, 0.2749,  
0.2170

99.9910, 0.3127,  
0.3290

33.4875, 0.2623,  
0.1870

100.0000, 0.3127,  
0.3290

26.0844, 0.2490,  
0.1585

■ 20.3669, 0.2353,  
0.1331

■ 16.1845, 0.2220,  
0.1122

■ 13.3583, 0.2097,  
0.0968

■ 11.5988, 0.1987,  
0.0868

# Harmonies

## Analogous

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



67.0637, 0.2669, 0.2719



67.0637, 0.2964, 0.2762



67.0637, 0.3319, 0.2927

# Triad

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



67.0637, 0.2964, 0.2762



67.0637, 0.3789, 0.3730



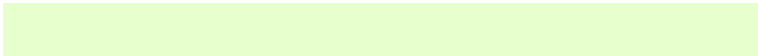
67.0637, 0.2635, 0.3378

# Complementary

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



67.0637, 0.2964, 0.2762



92.6928, 0.3265, 0.3818

# 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.



67.0637, 0.2914, 0.3699



67.0637, 0.2964, 0.2762



67.0637, 0.3583, 0.3896

# Square

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



67.0637, 0.2964, 0.2762



67.0637, 0.3811, 0.3467



67.0637, 0.3261, 0.3893



67.0637, 0.2488, 0.3051



# Rectangle

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



67.0637, 0.2964, 0.2762



67.0637, 0.3542, 0.3088



67.0637, 0.3261, 0.3893



67.0637, 0.2716, 0.3492

# Sweetspot

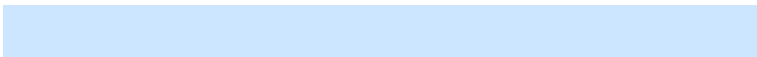
The Sweet Spot groups the original color and five complimentary colors.



67.0651, 0.2964, 0.2762



89.1770, 0.3084, 0.3141



76.8410, 0.2810, 0.3027



18.8460, 0.3079, 0.3124



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.



67.0651, 0.2964, 0.2762



61.5395, 0.2925, 0.2648



71.4990, 0.3144, 0.2790



17.8158, 0.3056, 0.3050



6.1490, 0.2004, 0.0878



0.6635, 0.2127, 0.0945



# Inverse Universe

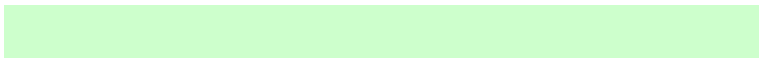
The Inverse Universe completely reimagines the original color for something new.



70.1499, 0.3330, 0.3030



65.1876, 0.3380, 0.2975



88.8351, 0.3106, 0.3844



18.1414, 0.3214, 0.3170



11.9777, 0.4927, 0.2488

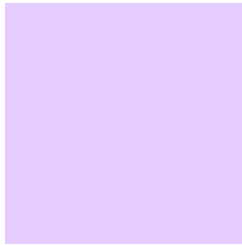


1.1883, 0.4678, 0.2350



# Previews

## White Background



This preview shows how the Yxy color 67.0637, 0.2964, 0.2762 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

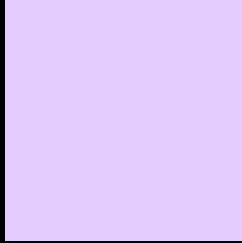
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.0637, 0.2964, 0.2762 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

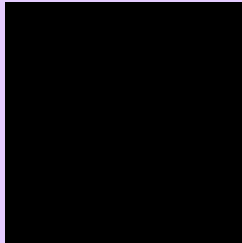
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.0637, 0.2964, 0.2762**

## Background



This preview shows how black text looks on a background with the Yxy color 67.0637, 0.2964, 0.2762.

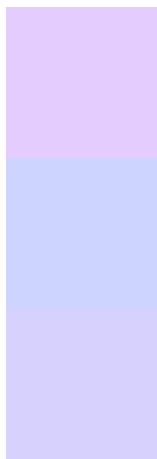


This preview shows how white text looks on a background with the Yxy color 67.0637, 0.2964, 0.2762.

# 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

67.0637, 0.2964, 0.2762

### Protanopia

67.1443, 0.2797, 0.2825

### Deuteranopia

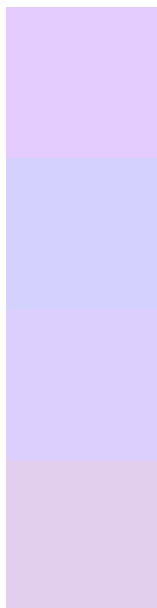
67.2038, 0.2875, 0.2811



## Tritanopia

66.9392, 0.3121, 0.3106

# Trichromacy



## Original Color

67.0637, 0.2964, 0.2762

## Protanomaly

66.9671, 0.2855, 0.2800

## Deuteranomaly

66.9970, 0.2908, 0.2795

## Tritanomaly

66.9088, 0.3061, 0.2970

# Monochromacy



## Original Color

67.0637, 0.2964, 0.2762

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

68.2286, 0.3064, 0.3084

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  67.0637, 0.2964, 0.2762 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(229, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 204, 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(229, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 204, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0637, 0.2964, 0.2762 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(229, 204, 255) }
```

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

```
.border{ border-color:rgb(229, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 204,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0637, 0.2964, 0.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 204, 255) }
```

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

```
.background{ background-color: rgb(229,  
204, 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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