

# Converting Colors

$Yxy(66.6723, 0.3077, 0.3054)$

Have a look what the booklet for  
Yxy(66.6723, 0.3077, 0.3054)  
contains.

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# Color

**Yxy(66.8437, 0.3079, 0.3062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DED1E6
RGB	222, 209, 230
RGB Percent	87%, 82%, 90%
CMY	0.1293, 0.1804, 0.0979
CMYK	0.03, 0.09, 0.00, 0.10
HSL	277°, 30%, 86%
HSV	277°, 9%, 90%
XYZ	67.2148, 66.8437, 84.2423
YIQ	215.2810, 1.0070, 9.2870

# Conversions

## Conversions Part 2

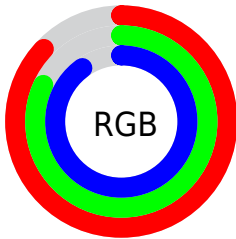
Format	Color
R <sub>Y</sub> B	222, 209, 230
Decimal	14602726
CIE Lab	85.42, 8.29, -8.74
CIE LCh	85, 12.041, 313.492
Yxy	66.8437, 0.3079, 0.3062
Android (android.graphics.Color)	4292792806 (0xFFDED1E6)
YUV	215.2810, 7.2565, 5.8926
Hunter-Lab	81.7580, 3.6718, -3.8610

# Details

The Yxy color  $66.8437, 0.3079, 0.3062$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $75.9650, 0.3171, 0.3521$ , and the grayscale version is  $68.1088, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $34.7533, 0.3063, 0.3008$  is the 20% darker color. If you saturate the color by 10%, you get  $55.0150, 0.3017, 0.2796$ , and if you desaturate by 10%, it is  $80.3795, 0.3131, 0.3311$ .

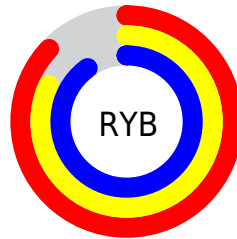
# Distribution



Red (87%)

Green (82%)

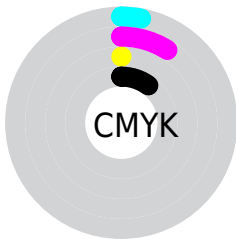
Blue (90%)



Red (87%)

Yellow (82%)

Blue (90%)

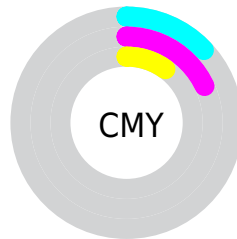


Cyan (3%)

Magenta (9%)

Yellow (0%)

Black (10%)



Cyan (13%)

Magenta (18%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8437, 0.3079, 0.3062 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 66.8437, 0.3079, 0.3062 by changing the saturation by 10% instead.



66.8437, 0.3079,  
0.3062

66.8437, 0.3079,  
0.3062

449.3882, 0.3102,  
0.3168

48.9576, 0.3073,  
0.3038

114.6964, 0.3087,  
0.3099

34.5859, 0.3066,  
0.3008

145.4318, 0.3090,  
0.3113

23.3440, 0.3057,  
0.2970

181.2192, 0.3093,  
0.3125

14.8477, 0.3045,  
0.2921

222.4428, 0.3095,  
0.3136

8.7126, 0.3028,  
0.2853

269.4871, 0.3098,  
0.3145

4.5542, 0.3002,  
0.2756

322.7365, 0.3099,

1.9882, 0.2957,

0.3154

0.2604

382.5754, 0.3101,  
0.3161

0.6006, 0.2895,  
0.2249

0.0000, 0.0000,  
0.0000

66.8437, 0.3079,  
0.3062

66.8437, 0.3079,  
0.3062

55.0150, 0.3017,  
0.2796

80.3795, 0.3131,  
0.3311

44.8143, 0.2945,  
0.2518

95.6791, 0.3175,  
0.3539

36.1688, 0.2863,  
0.2233

97.2453, 0.3230,  
0.3535

28.9968, 0.2771,  
0.1953

98.4948, 0.3274,  
0.3532

■ 23.2088, 0.2672,  
0.1690

■ 18.7055, 0.2569,  
0.1456

■ 15.3737, 0.2465,  
0.1264

■ 13.0796, 0.2365,  
0.1122

■ 11.6144, 0.2270,  
0.1027

# Harmonies

## Analogous

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



66.8437, 0.2944, 0.3038



66.8437, 0.3079, 0.3062



66.8437, 0.3230, 0.3143

# Triad

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



66.8437, 0.3079, 0.3062



66.8437, 0.3402, 0.3496



66.8437, 0.2903, 0.3313

# Complementary

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



66.8437, 0.3079, 0.3062



75.9650, 0.3171, 0.3521

# 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.



66.8437, 0.3021, 0.3444



66.8437, 0.3079, 0.3062



66.8437, 0.3310, 0.3550

# Square

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



66.8437, 0.3079, 0.3062



66.8437, 0.3419, 0.3390



66.8437, 0.3170, 0.3532



66.8437, 0.2844, 0.3179



# Rectangle

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



66.8437, 0.3079, 0.3062



66.8437, 0.3319, 0.3219



66.8437, 0.3170, 0.3532



66.8437, 0.2937, 0.3359

# Sweetspot

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



66.8466, 0.3079, 0.3062



94.6675, 0.3112, 0.3217



68.9254, 0.2986, 0.3146



19.9650, 0.3108, 0.3197



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.



66.8466, 0.3079, 0.3062



81.4212, 0.3068, 0.3012



68.0045, 0.3155, 0.3092



14.3268, 0.3077, 0.3054



6.5838, 0.2277, 0.1028



0.5394, 0.2412, 0.1102



# Inverse Universe

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



67.4367, 0.3229, 0.3204



82.3222, 0.3253, 0.3185



74.8899, 0.3101, 0.3497



14.4584, 0.3233, 0.3201



9.9412, 0.5450, 0.2776

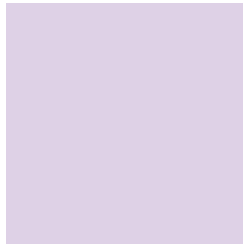


0.7523, 0.5055, 0.2558



# Previews

## White Background



This preview shows how the Yxy color 66.8437, 0.3079, 0.3062 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 66.8437, 0.3079, 0.3062 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

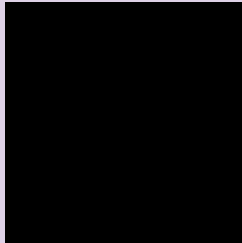
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

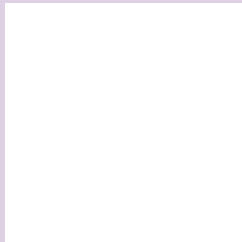
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.8437, 0.3079, 0.3062**

## Background



This preview shows how black text looks on a background with the Yxy color 66.8437, 0.3079, 0.3062.



This preview shows how white text looks on a background with the Yxy color 66.8437, 0.3079, 0.3062.

# 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

66.8437, 0.3079, 0.3062

### Protanopia

66.9102, 0.2994, 0.3069

### Deuteranopia

66.5076, 0.3109, 0.3043



## Tritanopia

66.9563, 0.3099, 0.3115

# Trichromacy



## Original Color

66.8437, 0.3079, 0.3062

## Protanomaly

66.9570, 0.3029, 0.3071

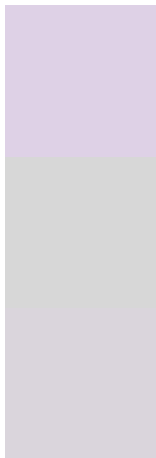
## Deuteranomaly

66.8325, 0.3101, 0.3053

## Tritanomaly

67.0114, 0.3092, 0.3105

# Monochromacy



## Original Color

66.8437, 0.3079, 0.3062

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

67.6612, 0.3116, 0.3213

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8437, 0.3079, 0.3062 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(222, 209, 230)` looks like.

```
.text, #text, p{  
    color:rgb(222, 209, 230)  
}
```

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(222, 209, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 209, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8437, 0.3079, 0.3062 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(222, 209, 230) }
```

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

```
.border{ border-color:rgb(222, 209, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 209, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 209, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 209, 230);  
box-shadow:4px 4px 4px 4px rgb(222, 209,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8437, 0.3079, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 209, 230) }
```

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

```
.background{ background-color: rgb(222,  
209, 230) }
```

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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