

# Converting Colors

Yxy(61.5378, 0.3009, 0.2618)

Have a look what the booklet for  
Yxy(61.5378, 0.3009, 0.2618)  
contains.

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# Color

**Yxy(61.2774, 0.3007, 0.2613)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBBDFE
RGB	235, 189, 255
RGB Percent	92%, 74%, 100%
CMY	0.0783, 0.2589, 0.0000
CMYK	0.08, 0.26, 0.00, 0.00
HSL	282°, 100%, 87%
HSV	282°, 26%, 100%
XYZ	70.5171, 61.2774, 102.7153
YIQ	210.2780, 6.2300, 30.2780

# Conversions

## Conversions Part 2

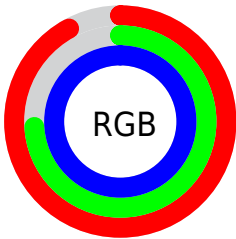
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 189, 255
Decimal	15449599
CIE Lab	82.53, 27.95, -26.27
CIE LCh	83, 38.364, 316.774
Yxy	61.2774, 0.3007, 0.2613
Android (android.graphics.Color)	4293639679 (0xFFE8B5FF)
YUV	210.2780, 22.0479, 21.6812
Hunter-Lab	78.2799, 23.8089, -23.0017

# Details

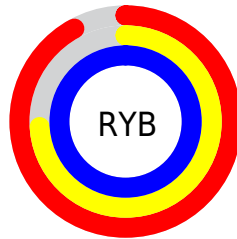
The Yxy color  $61.2774, 0.3007, 0.2613$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $88.7397, 0.3216, 0.4007$ , and the grayscale version is  $64.4937, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $94.3915, 0.3131, 0.3204$ , and  $30.9889, 0.2975, 0.2462$  is the 20% darker color. If you saturate the color by 10%, you get  $49.9735, 0.2946, 0.2336$ , and if you desaturate by 10%, it is  $74.5719, 0.3060, 0.2885$ .

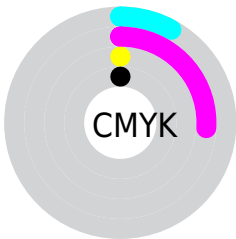
# Distribution



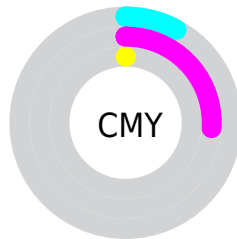
- Red (92%)
- Green (74%)
- Blue (100%)



- Red (92%)
- Yellow (74%)
- Blue (100%)



- Cyan (8%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (26%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.2774, 0.3007, 0.2613 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 61.2774, 0.3007, 0.2613 by changing the saturation by 10% instead.





 61.2774, 0.3007,  
0.2613

 61.2774, 0.3007,  
0.2613


429.2904, 0.3070,  
0.2918

 44.4491, 0.2991,  
0.2545


 106.6805, 0.3030,  
0.2717

 31.0237, 0.2971,  
0.2463


136.0240, 0.3039,  
0.2758

 20.6169, 0.2943,  
0.2361


170.3081, 0.3046,  
0.2794

 12.8443, 0.2906,  
0.2231

209.9171, 0.3052,  
0.2825

 7.3214, 0.2852,  
0.2060

255.2355, 0.3058,  
0.2852

 3.6639, 0.2769,  
0.1826

306.6475, 0.3062,

 1.4874, 0.2627,

0.2877

0.1495

364.5377, 0.3066,  
0.2899

0.2798, 0.2432,  
0.0714

0.0000, 0.0000,  
0.0000

61.2774, 0.3007,  
0.2613

61.2774, 0.3007,  
0.2613

49.9735, 0.2946,  
0.2336

74.5719, 0.3060,  
0.2885

40.5506, 0.2877,  
0.2063

89.9434, 0.3104,  
0.3145

32.9005, 0.2801,  
0.1806

99.9998, 0.3127,  
0.3290

26.9003, 0.2720,  
0.1576

■ 22.4114, 0.2636,  
0.1386

■ 19.2715, 0.2554,  
0.1242

■ 17.2796, 0.2474,  
0.1148

■ 16.6723, 0.2443,  
0.1119

# Harmonies

## Analogous

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



61.2774, 0.2576, 0.2509



61.2774, 0.3007, 0.2613



61.2774, 0.3507, 0.2865

# Triad

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



61.2774, 0.3007, 0.2613



61.2774, 0.3998, 0.3956



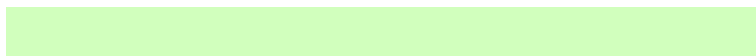
61.2774, 0.2383, 0.3289

# Complementary

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



61.2774, 0.3007, 0.2613



88.7397, 0.3216, 0.4007

# 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.



61.2774, 0.2721, 0.3774



61.2774, 0.3007, 0.2613



61.2774, 0.3655, 0.4163

# Square

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



61.2774, 0.3007, 0.2613



61.2774, 0.4104, 0.3606



61.2774, 0.3185, 0.4111



61.2774, 0.2239, 0.2854



# Rectangle

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



61.2774, 0.3007, 0.2613



61.2774, 0.3803, 0.3092



61.2774, 0.3185, 0.4111



61.2774, 0.2476, 0.3454

# Sweetspot

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



61.2800, 0.3007, 0.2613



86.5167, 0.3096, 0.3091



64.0779, 0.2700, 0.2788



18.0086, 0.3089, 0.3052



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.



61.2800, 0.3007, 0.2613



55.2563, 0.2977, 0.2471



64.1156, 0.3247, 0.2754



18.0086, 0.3089, 0.3052



8.7936, 0.2455, 0.1126



0.9134, 0.2543, 0.1175



# Inverse Universe

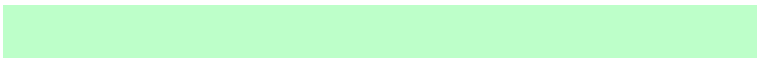
The Inverse Universe completely reimagines the original color for something new.



62.2517, 0.3516, 0.3086



56.4543, 0.3620, 0.3043



86.5571, 0.3027, 0.3893



18.0775, 0.3246, 0.3218



11.4125, 0.5760, 0.2947



1.1296, 0.5440, 0.2770



# Previews

## White Background



This preview shows how the Yxy color 61.2774, 0.3007, 0.2613 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

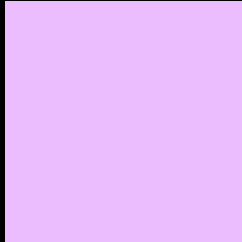
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.2774, 0.3007, 0.2613 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

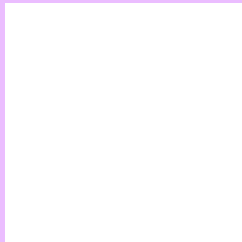
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.2774, 0.3007, 0.2613**

## Background



This preview shows how black text looks on a background with the Yxy color 61.2774, 0.3007, 0.2613.

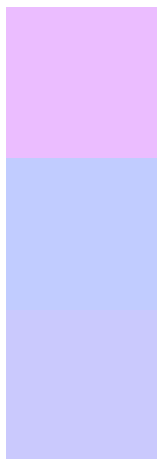


This preview shows how white text looks on a background with the Yxy color 61.2774, 0.3007, 0.2613.

# 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

61.2774, 0.3007, 0.2613

### Protanopia

61.7432, 0.2719, 0.2724

### Deuteranopia

61.4217, 0.2788, 0.2719



## Tritanopia

61.3440, 0.3269, 0.3126

# Trichromacy



## Original Color

61.2774, 0.3007, 0.2613



## Protanomaly

61.4767, 0.2816, 0.2684



## Deuteranomaly

61.3844, 0.2862, 0.2679



## Tritanomaly

61.1739, 0.3168, 0.2925

# Monochromacy



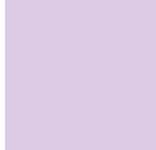
## Original Color

61.2774, 0.3007, 0.2613



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

62.7921, 0.3087, 0.3025

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.2774, 0.3007, 0.2613 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(235, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 189, 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(235, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 189, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 61.2774, 0.3007, 0.2613 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(235, 189, 255) }
```

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

```
.border{ border-color:rgb(235, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 189,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.2774, 0.3007, 0.2613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 189, 255) }
```

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

```
.background{ background-color: rgb(235,  
189, 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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