

# Converting Colors

$Y_{xy}(59.2333, 0.2970, 0.2576)$

Have a look what the booklet for  
Yxy(59.2333, 0.2970, 0.2576)  
contains.

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# **Color**

**Yxy(59.1608, 0.2969, 0.2574)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6BAFF
RGB	230, 186, 255
RGB Percent	90%, 73%, 100%
CMY	0.0981, 0.2705, 0.0000
CMYK	0.10, 0.27, 0.00, 0.00
HSL	278°, 100%, 86%
HSV	278°, 27%, 100%
XYZ	68.2395, 59.1608, 102.4397
YIQ	207.0220, 4.0750, 30.7870

# Conversions

## Conversions Part 2

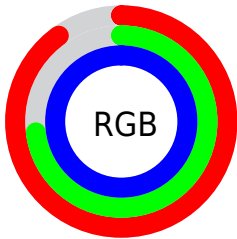
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 186, 255
Decimal	15121151
CIE Lab	81.38, 27.97, -28.08
CIE LCh	81, 39.635, 314.895
Yxy	59.1608, 0.2969, 0.2574
Android (android.graphics.Color)	4293311231 (0xFFE6BAFF)
YUV	207.0220, 23.6532, 20.1517
Hunter-Lab	76.9161, 23.7611, -25.1234

# Details

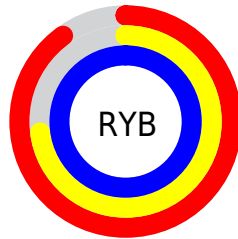
The Yxy color **59.1608, 0.2969, 0.2574** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.9181, 0.3246, 0.4037**, and the grayscale version is **62.2548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9843, 0.3133, 0.3165**, and **29.5784, 0.2925, 0.2410** is the 20% darker color. If you saturate the color by 10%, you get **47.8700, 0.2893, 0.2291**, and if you desaturate by 10%, it is **72.4532, 0.3036, 0.2851**.

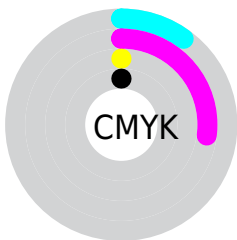
# Distribution



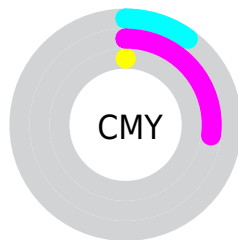
- Red (90%)
- Green (73%)
- Blue (100%)



- Red (90%)
- Yellow (73%)
- Blue (100%)



- Cyan (10%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (27%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1608, 0.2969, 0.2574 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 59.1608, 0.2969, 0.2574 by changing the saturation by 10% instead.





 59.1608, 0.2969,  
0.2574

 59.1608, 0.2969,  
0.2574

421.4976, 0.3051,  
0.2898

 42.7426, 0.2949,  
0.2502


 103.6113, 0.2999,  
0.2685

 29.6832, 0.2922,  
0.2415


132.4124, 0.3010,  
0.2728

 19.5982, 0.2888,  
0.2306


166.1099, 0.3019,  
0.2766

 12.1033, 0.2841,  
0.2167

205.0883, 0.3027,  
0.2799

 6.8141, 0.2773,  
0.1985

249.7318, 0.3034,  
0.2828

 3.3461, 0.2668,  
0.1737

300.4249, 0.3041,

 1.3150, 0.2494,

0.2854

0.1386

357.5520, 0.3046,  
0.2877

0.1528, 0.2274,  
0.0419

0.0000, 0.0000,  
0.0000

59.1608, 0.2969,  
0.2574

59.1608, 0.2969,  
0.2574

47.8700, 0.2893,  
0.2291

72.4532, 0.3036,  
0.2851

38.4726, 0.2807,  
0.2010

87.8378, 0.3093,  
0.3115

30.8575, 0.2713,  
0.1744

100.0000, 0.3127,  
0.3290

24.8999, 0.2615,  
0.1507

■ 20.4580, 0.2515,  
0.1309

■ 17.3657, 0.2418,  
0.1161

■ 15.4108, 0.2326,  
0.1063

■ 14.9582, 0.2300,  
0.1040

# Harmonies

## Analogous

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



59.1608, 0.2529, 0.2476



59.1608, 0.2969, 0.2574



59.1608, 0.3491, 0.2827

# Triad

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



59.1608, 0.2969, 0.2574



59.1608, 0.4051, 0.3963



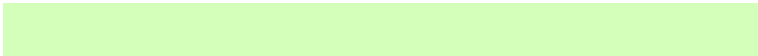
59.1608, 0.2368, 0.3319

# Complementary

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



59.1608, 0.2969, 0.2574



88.9181, 0.3246, 0.4037

# 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.



59.1608, 0.2730, 0.3826



59.1608, 0.2969, 0.2574



59.1608, 0.3704, 0.4195

# Square

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



59.1608, 0.2969, 0.2574



59.1608, 0.4145, 0.3591



59.1608, 0.3218, 0.4164



59.1608, 0.2206, 0.2856



# Rectangle

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



59.1608, 0.2969, 0.2574



59.1608, 0.3808, 0.3059



59.1608, 0.3218, 0.4164



59.1608, 0.2469, 0.3493

# Sweetspot

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



59.1625, 0.2969, 0.2574



86.2919, 0.3088, 0.3090



64.4011, 0.2683, 0.2802



17.9518, 0.3080, 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.



59.1625, 0.2969, 0.2574



53.3349, 0.2932, 0.2434



63.0236, 0.3227, 0.2697



17.9518, 0.3080, 0.3052



7.9033, 0.2314, 0.1048



0.8313, 0.2416, 0.1104



# Inverse Universe

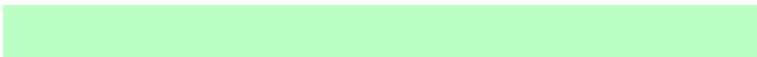
The Inverse Universe completely reimagines the original color for something new.



61.0863, 0.3504, 0.3034



55.6119, 0.3598, 0.2984



85.9099, 0.3041, 0.3965



18.0959, 0.3237, 0.3204



11.5428, 0.5534, 0.2822



1.1439, 0.5222, 0.2650



# Previews

## White Background



This preview shows how the Yxy color 59.1608, 0.2969, 0.2574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

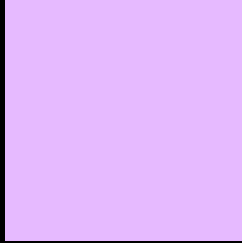
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.1608, 0.2969, 0.2574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

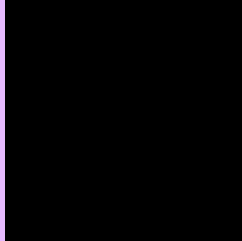
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.1608, 0.2969, 0.2574**

## Background



This preview shows how black text looks on a background with the Yxy color 59.1608, 0.2969, 0.2574.

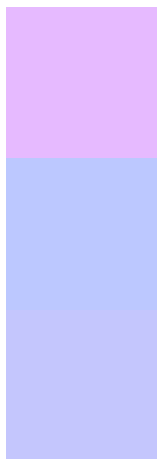


This preview shows how white text looks on a background with the Yxy color 59.1608, 0.2969, 0.2574.

# 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

59.1608, 0.2969, 0.2574

### Protanopia

59.2199, 0.2683, 0.2673

### Deuteranopia

59.2158, 0.2745, 0.2679



## Tritanopia

59.3713, 0.3239, 0.3123

# Trichromacy



## Original Color

59.1608, 0.2969, 0.2574



## Protanomaly

58.9467, 0.2778, 0.2633



## Deuteranomaly

59.1492, 0.2819, 0.2638



## Tritanomaly

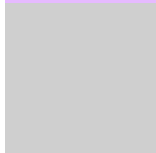
59.3590, 0.3145, 0.2919

# Monochromacy



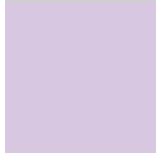
## Original Color

59.1608, 0.2969, 0.2574



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

60.6757, 0.3071, 0.3010

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.1608, 0.2969, 0.2574 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(230, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 186, 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(230, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 186, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 59.1608, 0.2969, 0.2574 is called "border". The border property can be set on classes, ids or directly on the HTML element.

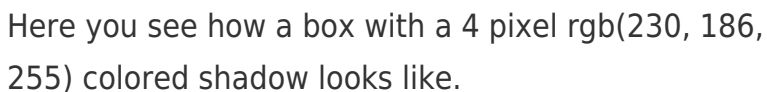
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(230, 186, 255) }
```

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

```
.border{ border-color:rgb(230, 186, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(230, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 186,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.1608, 0.2969, 0.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 186, 255) }
```

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

```
.background{ background-color: rgb(230,  
186, 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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