

# Converting Colors

$Yxy(59.3901, 0.2987, 0.2764)$

Have a look what the booklet for  
Yxy(59.3901, 0.2987, 0.2764)  
contains.

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# Color

**Yxy(59.1102, 0.2984, 0.2758)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBC0F1
RGB	219, 192, 241
RGB Percent	86%, 75%, 95%
CMY	0.1409, 0.2471, 0.0549
CMYK	0.09, 0.20, 0.00, 0.05
HSL	273°, 64%, 85%
HSV	273°, 20%, 95%
XYZ	63.9539, 59.1102, 91.2586
YIQ	205.6590, 0.3630, 20.9630

# Conversions

## Conversions Part 2

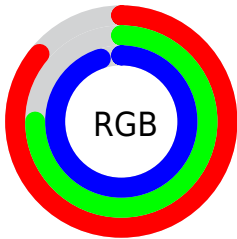
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 192, 241
Decimal	14401777
CIE Lab	81.35, 18.52, -20.72
CIE LCh	81, 27.789, 311.790
Yxy	59.1102, 0.2984, 0.2758
Android (android.graphics.Color)	4292591857 (0xFFDBC0F1)
YUV	205.6590, 17.4231, 11.7001
Hunter-Lab	76.8832, 13.9365, -16.5577

# Details

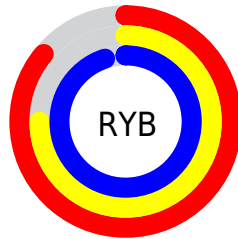
The Yxy color **59.1102, 0.2984, 0.2758** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.0015, 0.3246, 0.3829**, and the grayscale version is **61.3840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6148, 0.3130, 0.3223**, and **29.5723, 0.2945, 0.2627** is the 20% darker color. If you saturate the color by 10%, you get **47.7630, 0.2896, 0.2472**, and if you desaturate by 10%, it is **72.3036, 0.3060, 0.3029**.

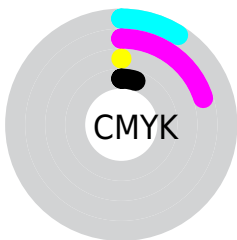
# Distribution



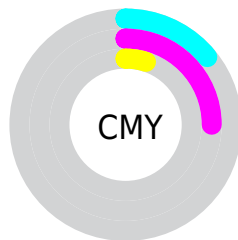
- Red (86%)
- Green (75%)
- Blue (95%)



- Red (86%)
- Yellow (75%)
- Blue (95%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)
- Black (5%)




- Cyan (14%)
- Magenta (25%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1102, 0.2984, 0.2758 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 59.1102, 0.2984, 0.2758 by changing the saturation by 10% instead.




 59.1102, 0.2984,  
0.2758

 59.1102, 0.2984,  
0.2758

421.3102, 0.3056,  
0.3004

 42.7018, 0.2966,  
0.2702

 103.5378, 0.3010,  
0.2843

 29.6512, 0.2944,  
0.2634


132.3258, 0.3020,  
0.2876

 19.5740, 0.2914,  
0.2547


166.0092, 0.3028,  
0.2905

 12.0858, 0.2874,  
0.2435

204.9724, 0.3035,  
0.2929

 6.8021, 0.2816,  
0.2283

249.5996, 0.3041,  
0.2951

 3.3387, 0.2727,  
0.2070


300.2754, 0.3047,

 1.3110, 0.2574,


0.2971


0.1748


357.3841, 0.3051,  
0.2988


 0.1497, 0.2367,  
0.0596


 0.0000, 0.0000,  
0.0000


 59.1102, 0.2984,  
0.2758


 59.1102, 0.2984,  
0.2758


 47.7630, 0.2896,  
0.2472


 72.3036, 0.3060,  
0.3029


 38.1683, 0.2796,  
0.2179

 87.4161, 0.3125,  
0.3282

 30.2350, 0.2686,  
0.1890

 98.4588, 0.3186,  
0.3425

 23.8611, 0.2568,  
0.1617

 99.1310, 0.3209,  
0.3425

■ 18.9323, 0.2447,  
0.1375

■ 15.3184, 0.2327,  
0.1177

■ 12.8644, 0.2214,  
0.1031

■ 11.3486, 0.2114,  
0.0938

# Harmonies

## Analogous

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



59.1102, 0.2676, 0.2704



59.1102, 0.2984, 0.2758



59.1102, 0.3349, 0.2934

# Triad

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



59.1102, 0.2984, 0.2758



59.1102, 0.3796, 0.3756



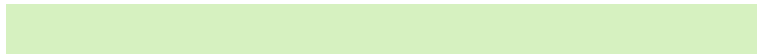
59.1102, 0.2608, 0.3355

# Complementary

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



59.1102, 0.2984, 0.2758



81.0015, 0.3246, 0.3829

# 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.



59.1102, 0.2886, 0.3689



59.1102, 0.2984, 0.2758



59.1102, 0.3574, 0.3917

# Square

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



59.1102, 0.2984, 0.2758



59.1102, 0.3834, 0.3490



59.1102, 0.3238, 0.3901



59.1102, 0.2469, 0.3024



# Rectangle

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



59.1102, 0.2984, 0.2758



59.1102, 0.3573, 0.3102



59.1102, 0.3238, 0.3901



59.1102, 0.2688, 0.3473

# Sweetspot

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



59.1127, 0.2984, 0.2758



89.3480, 0.3090, 0.3141



65.6696, 0.2803, 0.2985



18.8864, 0.3085, 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.



59.1127, 0.2984, 0.2758



62.1446, 0.2952, 0.2653



62.5986, 0.3169, 0.2808



15.6592, 0.3066, 0.3052



6.2353, 0.2130, 0.0947



0.5777, 0.2265, 0.1021



# Inverse Universe

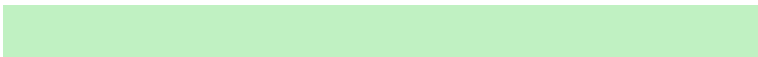
The Inverse Universe completely reimagines the original color for something new.



61.2442, 0.3357, 0.3057



64.9853, 0.3410, 0.3012



78.0308, 0.3086, 0.3824



15.8764, 0.3223, 0.3185



10.7529, 0.5180, 0.2627



0.9143, 0.4855, 0.2448



# Previews

## White Background



This preview shows how the Yxy color 59.1102, 0.2984, 0.2758 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

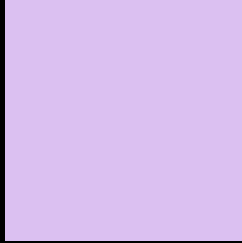
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.1102, 0.2984, 0.2758 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

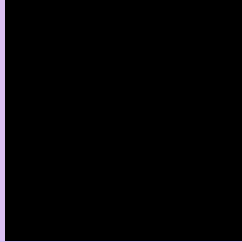
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.1102, 0.2984, 0.2758**

## Background



This preview shows how black text looks on a background with the Yxy color 59.1102, 0.2984, 0.2758.



This preview shows how white text looks on a background with the Yxy color 59.1102, 0.2984, 0.2758.

# 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

59.1102, 0.2984, 0.2758

### Protanopia

59.2304, 0.2756, 0.2758

### Deuteranopia

59.3759, 0.2875, 0.2819



## Tritanopia

59.1837, 0.3151, 0.3108

# Trichromacy



## Original Color

59.1102, 0.2984, 0.2758

## Protanomaly

59.0816, 0.2835, 0.2755

## Deuteranomaly

59.3264, 0.2917, 0.2802

## Tritanomaly

58.9569, 0.3087, 0.2976

# Monochromacy



## Original Color

59.1102, 0.2984, 0.2758

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

60.7366, 0.3076, 0.3086

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.1102, 0.2984, 0.2758 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(219, 192, 241)` looks like.

```
.text, #text, p{  
    color:rgb(219, 192, 241)  
}
```

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(219, 192, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 192, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 59.1102, 0.2984, 0.2758 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(219, 192, 241) }
```

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

```
.border{ border-color:rgb(219, 192, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 192, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 192, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 192, 241);  
box-shadow:4px 4px 4px 4px rgb(219, 192,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.1102, 0.2984, 0.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 192, 241) }
```

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

```
.background{ background-color: rgb(219,  
192, 241) }
```

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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