

# Converting Colors

$Yxy(52.7010, 0.2857, 0.2688)$

Have a look what the booklet for  
Yxy(52.7010, 0.2857, 0.2688)  
contains.

<b>Yxy(52.5375, 0.2859, 0.2683)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(52.5375, 0.2859, 0.2683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7B8ED
RGB	199, 184, 237
RGB Percent	78%, 72%, 93%
CMY	0.2195, 0.2784, 0.0707
CMYK	0.16, 0.22, 0.00, 0.07
HSL	257°, 60%, 83%
HSV	257°, 22%, 93%
XYZ	55.9839, 52.5375, 87.2949
YIQ	194.5270, -8.0730, 19.6630

# Conversions

## Conversions Part 2

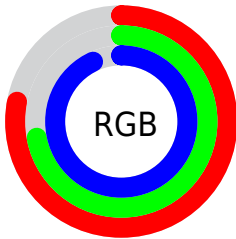
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 184, 237
Decimal	13089005
CIE <sub>Lab</sub>	77.60, 15.67, -24.42
CIE <sub>LCh</sub>	78, 29.014, 302.697
Yxy	52.5375, 0.2859, 0.2683
Android (android.graphics.Color)	4291279085 (0xFFC7B8ED)
YUV	194.5270, 20.9392, 3.9228
Hunter-Lab	72.4828, 11.0241, -20.6682

# Details

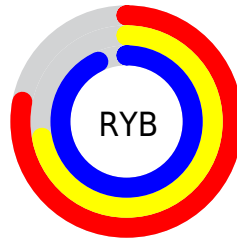
The Yxy color **52.5375, 0.2859, 0.2683** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.5377, 0.3357, 0.3868**, and the grayscale version is **54.1575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8002, 0.3134, 0.3146**, and **25.5885, 0.2788, 0.2536** is the 20% darker color. If you saturate the color by 10%, you get **41.3113, 0.2712, 0.2373**, and if you desaturate by 10%, it is **65.6761, 0.2989, 0.2971**.

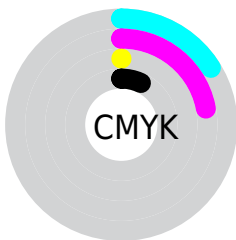
# Distribution



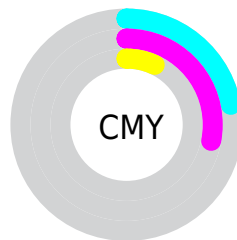
- Red (78%)
- Green (72%)
- Blue (93%)



- Red (78%)
- Yellow (72%)
- Blue (93%)



- Cyan (16%)
- Magenta (22%)
- Yellow (0%)
- Black (7%)




- Cyan (22%)
- Magenta (28%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5375, 0.2859, 0.2683 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 52.5375, 0.2859, 0.2683 by changing the saturation by 10% instead.





 52.5375, 0.2859,  
0.2683

 52.5375, 0.2859,  
0.2683


396.5082, 0.2992,  
0.2968

 37.4337, 0.2826,  
0.2617


 93.9235, 0.2907,  
0.2783

 25.5435, 0.2785,  
0.2535


120.9744, 0.2925,  
0.2821

 16.4824, 0.2730,  
0.2431

152.7765, 0.2941,  
0.2854

 9.8662, 0.2656,  
0.2295

189.7141, 0.2954,  
0.2883

 5.3103, 0.2550,  
0.2110

232.1717, 0.2965,  
0.2909

 2.4305, 0.2386,  
0.1845

280.5337, 0.2976,

 0.8415, 0.2111,

0.2931

0.1444

335.1843, 0.2984,  
0.2951

0.0000, 0.0802,  
0.0000

0.0000, 0.0000,  
0.0000

52.5375, 0.2859,  
0.2683

52.5375, 0.2859,  
0.2683

41.3113, 0.2712,  
0.2373

65.6761, 0.2989,  
0.2971

31.9004, 0.2549,  
0.2048

80.8049, 0.3103,  
0.3232

24.2089, 0.2376,  
0.1721

97.9480, 0.3200,  
0.3465

18.1293, 0.2199,  
0.1411

98.8933, 0.3232,  
0.3464

■ 13.5416, 0.2028,  
0.1136

■ 10.3084, 0.1874,  
0.0918

■ 8.2652, 0.1747,  
0.0767

■ 7.3160, 0.1669,  
0.0693

# Harmonies

## Analogous

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



52.5375, 0.2562, 0.2669



52.5375, 0.2859, 0.2683



52.5375, 0.3246, 0.2836

# Triad

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



52.5375, 0.2859, 0.2683



52.5375, 0.3889, 0.3713



52.5375, 0.2642, 0.3476

# Complementary

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



52.5375, 0.2859, 0.2683



79.5377, 0.3357, 0.3868

# 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.



52.5375, 0.2975, 0.3816



52.5375, 0.2859, 0.2683



52.5375, 0.3701, 0.3934

# Square

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



52.5375, 0.2859, 0.2683



52.5375, 0.3863, 0.3407



52.5375, 0.3363, 0.3985



52.5375, 0.2443, 0.3100



# Rectangle

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



52.5375, 0.2859, 0.2683



52.5375, 0.3506, 0.2999



52.5375, 0.3363, 0.3985



52.5375, 0.2741, 0.3601

# Sweetspot

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



52.5397, 0.2859, 0.2683



86.7909, 0.3052, 0.3114



68.5288, 0.2783, 0.3118



18.3450, 0.3045, 0.3098



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.



52.5397, 0.2859, 0.2683



55.4790, 0.2791, 0.2538



56.4808, 0.3063, 0.2718



14.7559, 0.3024, 0.3050



4.0523, 0.1684, 0.0701



0.3654, 0.1828, 0.0781



# Inverse Universe

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



57.5513, 0.3270, 0.2884



62.4657, 0.3307, 0.2795



75.6831, 0.3174, 0.3902



15.2366, 0.3181, 0.3123



11.4324, 0.4084, 0.2024

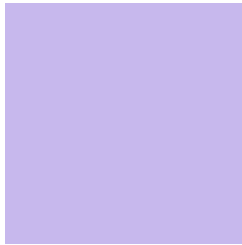


0.9141, 0.3934, 0.1941



# Previews

## White Background



This preview shows how the Yxy color 52.5375, 0.2859, 0.2683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

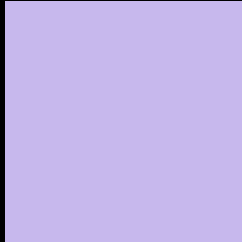
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.5375, 0.2859, 0.2683 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

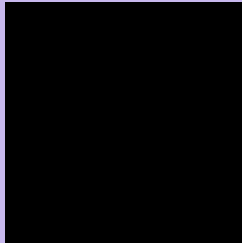
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.5375, 0.2859, 0.2683**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.5375, 0.2859, 0.2683.



This preview shows how white text looks on a background with the Yxy color 52.5375, 0.2859, 0.2683.

# 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

52.5375, 0.2859, 0.2683

### Protanopia

52.7615, 0.2694, 0.2688

### Deuteranopia

52.7139, 0.2787, 0.2727



## Tritanopia

52.5721, 0.3039, 0.3107

# Trichromacy



## Original Color

52.5375, 0.2859, 0.2683

## Protanomaly

52.6968, 0.2747, 0.2683

## Deuteranomaly

52.8032, 0.2815, 0.2720

## Tritanomaly

52.5783, 0.2968, 0.2944

# Monochromacy



## Original Color

52.5375, 0.2859, 0.2683

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

53.6505, 0.3027, 0.3062

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.5375, 0.2859, 0.2683 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(199, 184, 237)` looks like.

```
.text, #text, p{  
    color:rgb(199, 184, 237)  
}
```

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(199, 184, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 184, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 52.5375, 0.2859, 0.2683 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(199, 184, 237) }
```

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

```
.border{ border-color:rgb(199, 184, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 184, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 184, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 184, 237);  
box-shadow:4px 4px 4px 4px rgb(199, 184,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.5375, 0.2859, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 184, 237) }
```

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

```
.background{ background-color: rgb(199,  
184, 237) }
```

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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