

# Converting Colors

$Y_{xy}(50.5715, 0.2891, 0.2643)$

Have a look what the booklet for  
Yxy(50.5715, 0.2891, 0.2643)  
contains.

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# Color

**Yxy(50.7949, 0.2893, 0.2649)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAB3EB
RGB	202, 179, 235
RGB Percent	79%, 70%, 92%
CMY	0.2078, 0.2980, 0.0784
CMYK	0.14, 0.24, 0.00, 0.08
HSL	265°, 58%, 81%
HSV	265°, 24%, 92%
XYZ	55.4736, 50.7949, 85.4827
YIQ	192.2610, -4.2680, 22.2920

# Conversions

## Conversions Part 2

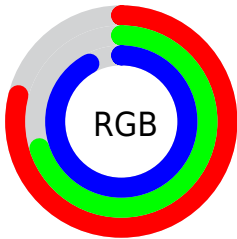
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 179, 235
Decimal	13284331
CIE <sub>Lab</sub>	76.55, 18.91, -24.93
CIE <sub>LCh</sub>	77, 31.285, 307.181
Yxy	50.7949, 0.2893, 0.2649
Android (android.graphics.Color)	4291474411 (0xFFCAB3EB)
YUV	192.2610, 21.0703, 8.5411
Hunter-Lab	71.2705, 14.2125, -21.2237

# Details

The Yxy color **50.7949, 0.2893, 0.2649** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.6738, 0.3321, 0.3918**, and the grayscale version is **52.7506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **24.3794, 0.2822, 0.2490** is the 20% darker color. If you saturate the color by 10%, you get **40.3198, 0.2770, 0.2347**, and if you desaturate by 10%, it is **63.0529, 0.3001, 0.2934**.

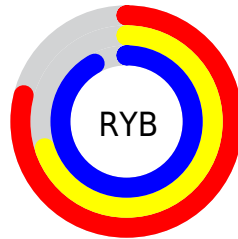
# Distribution



Red (79%)

Green (70%)

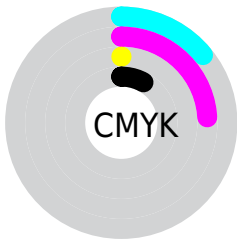
Blue (92%)



Red (79%)

Yellow (70%)

Blue (92%)

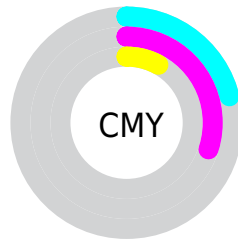


Cyan (14%)

Magenta (24%)

Yellow (0%)

Black (8%)



Cyan (21%)

Magenta (30%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7949, 0.2893, 0.2649 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 50.7949, 0.2893, 0.2649 by changing the saturation by 10% instead.





 50.7949, 0.2893,  
0.2649

 50.7949, 0.2893,  
0.2649

389.7664, 0.3011,  
0.2951

 36.0454, 0.2863,  
0.2579


 91.3515, 0.2936,  
0.2754

 24.4693, 0.2826,  
0.2493


117.9275, 0.2952,  
0.2795

 15.6821, 0.2776,  
0.2383


149.2143, 0.2966,  
0.2830

 9.2995, 0.2707,  
0.2239

185.5965, 0.2978,  
0.2861

 4.9370, 0.2607,  
0.2043

227.4584, 0.2988,  
0.2887

 2.2104, 0.2450,  
0.1764

275.1844, 0.2997,

 0.7256, 0.2184,

0.2911

0.1331

329.1590, 0.3005,  
0.2932

■ 0.0000, 0.0672,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 50.7949, 0.2893,  
0.2649

■ 50.7949, 0.2893,  
0.2649

■ 40.3198, 0.2770,  
0.2347

■ 63.0529, 0.3001,  
0.2934

■ 31.5353, 0.2633,  
0.2037

■ 77.1674, 0.3095,  
0.3196

■ 24.3503, 0.2486,  
0.1729

■ 93.2155, 0.3175,  
0.3434

■ 18.6624, 0.2333,  
0.1441

■ 98.7786, 0.3244,  
0.3483

■ 14.3565, 0.2182,  
0.1190

■ 11.3002, 0.2040,  
0.0990

■ 9.3331, 0.1915,  
0.0851

■ 8.5135, 0.1847,  
0.0791

# Harmonies

## Analogous

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



50.7949, 0.2552, 0.2608



50.7949, 0.2893, 0.2649



50.7949, 0.3321, 0.2834

# Triad

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



50.7949, 0.2893, 0.2649



50.7949, 0.3941, 0.3790



50.7949, 0.2556, 0.3429

# Complementary

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



50.7949, 0.2893, 0.2649



76.6738, 0.3321, 0.3918

# 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.



50.7949, 0.2899, 0.3820



50.7949, 0.2893, 0.2649



50.7949, 0.3703, 0.4013

# Square

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



50.7949, 0.2893, 0.2649



50.7949, 0.3950, 0.3465



50.7949, 0.3319, 0.4039



50.7949, 0.2369, 0.3024



# Rectangle

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



50.7949, 0.2893, 0.2649



50.7949, 0.3598, 0.3019



50.7949, 0.3319, 0.4039



50.7949, 0.2656, 0.3569

# Sweetspot

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



50.7970, 0.2893, 0.2649



87.1945, 0.3067, 0.3115



62.9730, 0.2754, 0.3028



18.4384, 0.3061, 0.3099



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.



50.7970, 0.2893, 0.2649



54.1992, 0.2830, 0.2491



54.9650, 0.3110, 0.2689



14.8510, 0.3044, 0.3051



4.8083, 0.1864, 0.0800



0.4326, 0.2018, 0.0886



# Inverse Universe

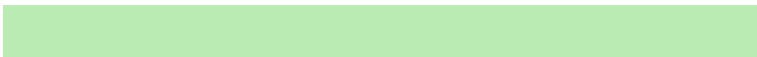
The Inverse Universe completely reimagines the original color for something new.



54.6586, 0.3339, 0.2931



59.7441, 0.3399, 0.2848



72.9407, 0.3133, 0.3956



15.2030, 0.3201, 0.3152



10.8849, 0.4582, 0.2298

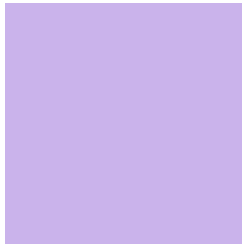


0.8738, 0.4340, 0.2164



# Previews

## White Background



This preview shows how the Yxy color 50.7949, 0.2893, 0.2649 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

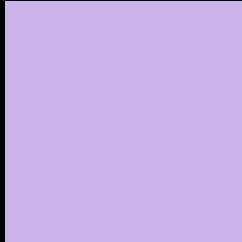
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.7949, 0.2893, 0.2649 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

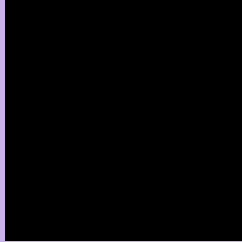
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.7949, 0.2893, 0.2649**

## Background



This preview shows how black text looks on a background with the Yxy color 50.7949, 0.2893, 0.2649.



This preview shows how white text looks on a background with the Yxy color 50.7949, 0.2893, 0.2649.

# 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

50.7949, 0.2893, 0.2649

### Protanopia

51.0055, 0.2664, 0.2647

### Deuteranopia

50.8288, 0.2768, 0.2708



## Tritanopia

50.6038, 0.3103, 0.3107

# Trichromacy



## Original Color

50.7949, 0.2893, 0.2649

## Protanomaly

50.8273, 0.2743, 0.2644

## Deuteranomaly

50.8839, 0.2818, 0.2692

## Tritanomaly

50.6768, 0.3021, 0.2931

# Monochromacy



## Original Color

50.7949, 0.2893, 0.2649

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

51.8305, 0.3042, 0.3036

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.7949, 0.2893, 0.2649 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(202, 179, 235)` looks like.

```
.text, #text, p{  
    color:rgb(202, 179, 235)  
}
```

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(202, 179, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 179, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 50.7949, 0.2893, 0.2649 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(202, 179, 235) }
```

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

```
.border{ border-color:rgb(202, 179, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 179, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 179, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 179, 235);  
box-shadow:4px 4px 4px 4px rgb(202, 179,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.7949, 0.2893, 0.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 179, 235) }
```

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

```
.background{ background-color: rgb(202,  
179, 235) }
```

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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