

# Converting Colors

$Y_{xy}(50.1092, 0.2729, 0.2407)$

Have a look what the booklet for  
Yxy(50.1092, 0.2729, 0.2407)  
contains.

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# Color

**Yxy(50.2764, 0.2728, 0.2412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6B0FF
RGB	198, 176, 255
RGB Percent	78%, 69%, 100%
CMY	0.2235, 0.3098, 0.0001
CMYK	0.22, 0.31, 0.00, 0.00
HSL	257°, 100%, 85%
HSV	257°, 31%, 100%
XYZ	56.8632, 50.2764, 101.3032
YIQ	191.5840, -12.2470, 29.2330

# Conversions

## Conversions Part 2

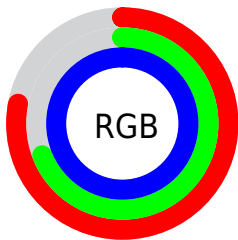
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 176, 255
Decimal	13021439
CIE Lab	76.24, 23.73, -36.21
CIE LCh	76, 43.296, 303.234
Yxy	50.2764, 0.2728, 0.2412
Android (android.graphics.Color)	4291211519 (0xFFC6B0FF)
YUV	191.5840, 31.2641, 5.6268
Hunter-Lab	70.9059, 19.0634, -35.0735

# Details

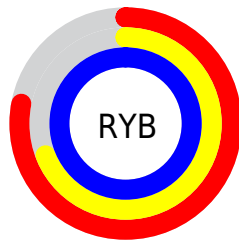
The Yxy color **50.2764, 0.2728, 0.2412** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **91.9673, 0.3447, 0.4107**, and the grayscale version is **52.2788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1932, 0.3138, 0.3068**, and **24.0828, 0.2618, 0.2204** is the 20% darker color. If you saturate the color by 10%, you get **38.8505, 0.2565, 0.2087**, and if you desaturate by 10%, it is **63.8878, 0.2875, 0.2722**.

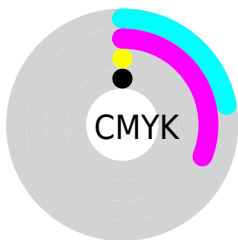
# Distribution



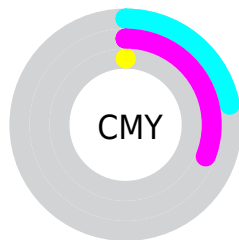
- Red (78%)
- Green (69%)
- Blue (100%)



- Red (78%)
- Yellow (69%)
- Blue (100%)



- Cyan (22%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (31%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2764, 0.2728, 0.2412 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 50.2764, 0.2728, 0.2412 by changing the saturation by 10% instead.





 50.2764, 0.2728,  
0.2412

 50.2764, 0.2728,  
0.2412


387.7459, 0.2928,  
0.2817

 35.6331, 0.2679,  
0.2321


 90.5843, 0.2800,  
0.2552

 24.1509, 0.2617,  
0.2209


117.0176, 0.2827,  
0.2606

 15.4456, 0.2537,  
0.2070


148.1497, 0.2850,  
0.2653

 9.1327, 0.2429,  
0.1892

184.3650, 0.2870,  
0.2695

 4.8279, 0.2277,  
0.1659

226.0479, 0.2887,  
0.2731

 2.1466, 0.2053,  
0.1346

273.5827, 0.2903,

 0.6907, 0.1704,

0.2763

0.0905

327.3539, 0.2916,  
0.2792

0.0000, 0.0668,  
0.0000

0.0000, 0.0000,  
0.0000

50.2764, 0.2728,  
0.2412

50.2764, 0.2728,  
0.2412

38.8505, 0.2565,  
0.2087

63.8878, 0.2875,  
0.2722

29.4879, 0.2391,  
0.1757

79.7862, 0.3005,  
0.3007

22.0633, 0.2213,  
0.1442

98.0737, 0.3117,  
0.3266

16.4350, 0.2040,  
0.1161

99.9992, 0.3127,  
0.3290

■ 12.4413, 0.1883,  
0.0934

■ 9.8895, 0.1752,  
0.0775

■ 8.5601, 0.1660,  
0.0688

# Harmonies

## Analogous

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



50.2764, 0.2301, 0.2376



50.2764, 0.2728, 0.2412



50.2764, 0.3308, 0.2634

# Triad

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



50.2764, 0.2728, 0.2412



50.2764, 0.4270, 0.3892



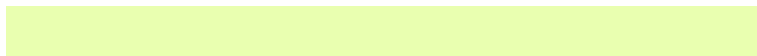
50.2764, 0.2392, 0.3555

# Complementary

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



50.2764, 0.2728, 0.2412



91.9673, 0.3447, 0.4107

# 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.



50.2764, 0.2872, 0.4107



50.2764, 0.2728, 0.2412



50.2764, 0.3965, 0.4249

# Square

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



50.2764, 0.2728, 0.2412



50.2764, 0.4250, 0.3442



50.2764, 0.3448, 0.4363



50.2764, 0.2120, 0.2971



# Rectangle

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



50.2764, 0.2728, 0.2412



50.2764, 0.3706, 0.2865



50.2764, 0.3448, 0.4363



50.2764, 0.2533, 0.3757

# Sweetspot

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



50.2784, 0.2728, 0.2412



83.2154, 0.3028, 0.3061



75.2527, 0.2654, 0.3056



17.2703, 0.3011, 0.3022



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.



50.2784, 0.2728, 0.2412



43.1441, 0.2632, 0.2217



56.2001, 0.3019, 0.2482



17.6226, 0.3022, 0.3047



4.5371, 0.1674, 0.0696



0.4936, 0.1789, 0.0759



# Inverse Universe

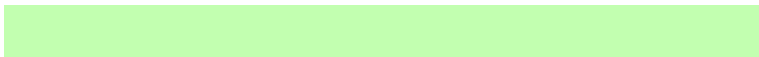
The Inverse Universe completely reimagines the original color for something new.



58.1922, 0.3336, 0.2717



52.2688, 0.3389, 0.2604



86.1733, 0.3196, 0.4176



18.2090, 0.3181, 0.3120



12.9429, 0.4069, 0.2015

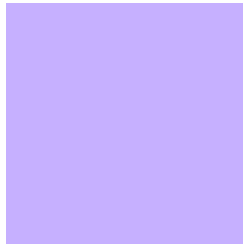


1.2788, 0.3947, 0.1948



# Previews

## White Background



This preview shows how the Yxy color 50.2764, 0.2728, 0.2412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

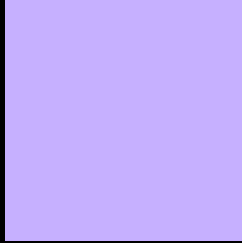
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.2764, 0.2728, 0.2412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

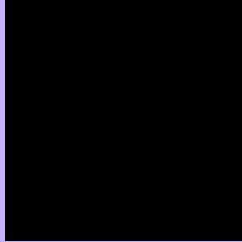
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.2764, 0.2728, 0.2412**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.2764, 0.2728, 0.2412.

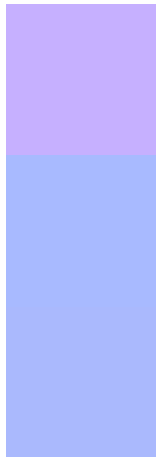


This preview shows how white text looks on a background with the Yxy color 50.2764, 0.2728, 0.2412.

# 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

50.2764, 0.2728, 0.2412

### Protanopia

50.6626, 0.2536, 0.2483

### Deuteranopia

50.3358, 0.2558, 0.2493



## Tritanopia

50.0262, 0.3030, 0.3103

# Trichromacy



**Original Color**

50.2764, 0.2728, 0.2412

**Protanomaly**

50.2596, 0.2602, 0.2450

**Deuteranomaly**

50.3150, 0.2614, 0.2461

**Tritanomaly**

49.8828, 0.2915, 0.2823

# Monochromacy



**Original Color**

50.2764, 0.2728, 0.2412

**Achromatopsia**

52.7115, 0.3127, 0.3290

**Achromatomaly**

51.4934, 0.2975, 0.2942

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.2764, 0.2728, 0.2412 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(198, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 176, 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(198, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 176, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 50.2764, 0.2728, 0.2412 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(198, 176, 255) }
```

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

```
.border{ border-color:rgb(198, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 176,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.2764, 0.2728, 0.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 176, 255) }
```

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

```
.background{ background-color: rgb(198,  
176, 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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