

# Converting Colors

$Y_{xy}(47.3153, 0.2805, 0.2459)$

Have a look what the booklet for  
Yxy(47.3153, 0.2805, 0.2459)  
contains.

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# Color

**Yxy(47.2263, 0.2802, 0.2458)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6AAF3
RGB	198, 170, 243
RGB Percent	78%, 67%, 95%
CMY	0.2236, 0.3333, 0.0471
CMYK	0.19, 0.30, 0.00, 0.05
HSL	263°, 75%, 81%
HSV	263°, 30%, 95%
XYZ	53.8357, 47.2263, 91.0711
YIQ	186.6940, -6.7450, 28.6390

# Conversions

## Conversions Part 2

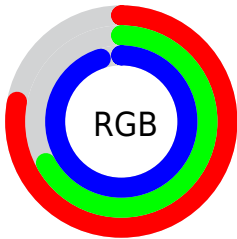
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	198, 170, 243
Decimal	13019891
CIE Lab	74.33, 24.32, -32.69
CIE LCh	74, 40.746, 306.652
Yxy	47.2263, 0.2802, 0.2458
Android (android.graphics.Color)	4291209971 (0xFFC6AAF3)
YUV	186.6940, 27.7589, 9.9154
Hunter-Lab	68.7214, 19.5727, -30.4674

# Details

The Yxy color  $47.2263, 0.2802, 0.2458$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $81.4566, 0.3384, 0.4093$ , and the grayscale version is  $49.3564, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $82.3304, 0.3141, 0.2999$ , and  $22.3844, 0.2702, 0.2259$  is the 20% darker color. If you saturate the color by 10%, you get  $37.0063, 0.2664, 0.2146$ , and if you desaturate by 10%, it is  $59.3356, 0.2926, 0.2757$ .

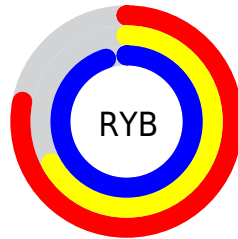
# Distribution



Red (78%)

Green (67%)

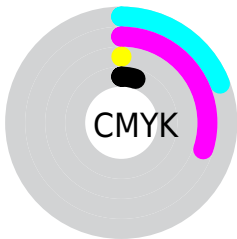
Blue (95%)



Red (78%)

Yellow (67%)

Blue (95%)

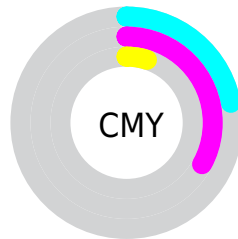


Cyan (19%)

Magenta (30%)

Yellow (0%)

Black (5%)



Cyan (22%)

Magenta (33%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2263, 0.2802, 0.2458 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 47.2263, 0.2802, 0.2458 by changing the saturation by 10% instead.





 47.2263, 0.2802,  
0.2458

 47.2263, 0.2802,  
0.2458


375.7171, 0.2968,  
0.2847

 33.2146, 0.2760,  
0.2369


 86.0513, 0.2863,  
0.2593

 22.2909, 0.2707,  
0.2259


111.6334, 0.2886,  
0.2646

 14.0708, 0.2636,  
0.2121


141.8411, 0.2905,  
0.2691

 8.1699, 0.2539,  
0.1942

177.0588, 0.2921,  
0.2731

 4.2039, 0.2400,  
0.1704

217.6708, 0.2935,  
0.2765

 1.7882, 0.2185,  
0.1378

264.0616, 0.2948,


 0.4798, 0.1847,


0.2796

0.0830


316.6156, 0.2959,  
0.2823

 0.0000, 0.0000,  
0.0000


 47.2263, 0.2802,  
0.2458


 47.2263, 0.2802,  
0.2458


 37.0063, 0.2664,  
0.2146


 59.3356, 0.2926,  
0.2757


 28.5709, 0.2513,  
0.1831


 73.4197, 0.3034,  
0.3035

 21.8143, 0.2355,  
0.1529

 89.5659, 0.3127,  
0.3289

 16.6162, 0.2197,  
0.1258

 99.2510, 0.3197,  
0.3405

 12.8400, 0.2047,  
0.1034

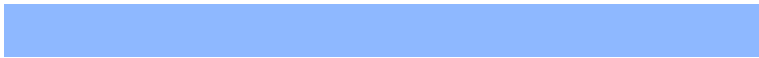
■ 10.3234, 0.1914,  
0.0870

■ 8.8032, 0.1802,  
0.0766

# Harmonies

## Analogous

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



47.2263, 0.2367, 0.2402



47.2263, 0.2802, 0.2458



47.2263, 0.3369, 0.2691

# Triad

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



47.2263, 0.2802, 0.2458



47.2263, 0.4208, 0.3920



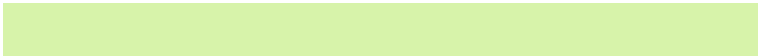
47.2263, 0.2379, 0.3479

# Complementary

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



47.2263, 0.2802, 0.2458



81.4566, 0.3384, 0.4093

# 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.



47.2263, 0.2824, 0.4022



47.2263, 0.2802, 0.2458



47.2263, 0.3886, 0.4241

# Square

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



47.2263, 0.2802, 0.2458



47.2263, 0.4226, 0.3491



47.2263, 0.3376, 0.4310



47.2263, 0.2140, 0.2930



# Rectangle

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



47.2263, 0.2802, 0.2458



47.2263, 0.3744, 0.2924



47.2263, 0.3376, 0.4310



47.2263, 0.2508, 0.3673

# Sweetspot

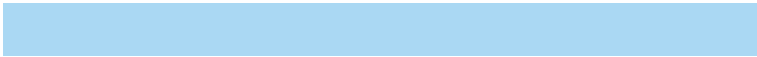
The Sweet Spot groups the original color and five complimentary colors.



47.2282, 0.2802, 0.2458



83.6344, 0.3044, 0.3062



64.2526, 0.2659, 0.2977



17.3731, 0.3029, 0.3023



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.



47.2282, 0.2802, 0.2458



45.5415, 0.2720, 0.2270



52.5946, 0.3083, 0.2524



16.2361, 0.3039, 0.3050



4.9031, 0.1817, 0.0775



0.4881, 0.1956, 0.0851



# Inverse Universe

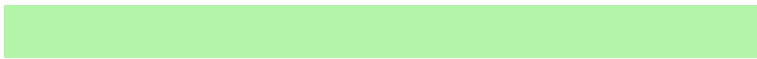
The Inverse Universe completely reimagines the original color for something new.



52.7176, 0.3393, 0.2812



52.6838, 0.3464, 0.2713



76.6765, 0.3147, 0.4155



16.6544, 0.3197, 0.3145



11.6919, 0.4472, 0.2237

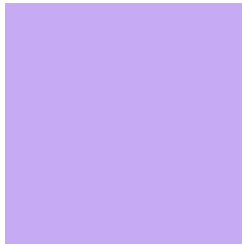


1.0476, 0.4271, 0.2126



# Previews

## White Background



This preview shows how the Yxy color 47.2263, 0.2802, 0.2458 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

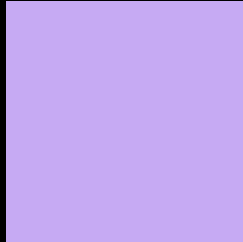
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2263, 0.2802, 0.2458 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

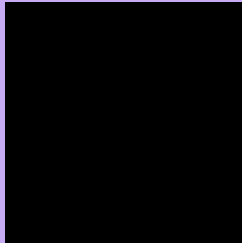
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.2263, 0.2802, 0.2458**

## Background



This preview shows how black text looks on a background with the Yxy color 47.2263, 0.2802, 0.2458.

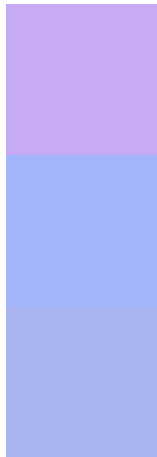


This preview shows how white text looks on a background with the Yxy color 47.2263, 0.2802, 0.2458.

# 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

47.2263, 0.2802, 0.2458

### Protanopia

47.2889, 0.2510, 0.2441

### Deuteranopia

47.4284, 0.2614, 0.2553



## Tritanopia

47.3564, 0.3093, 0.3113

# Trichromacy



## Original Color

47.2263, 0.2802, 0.2458

## Protanomaly

46.9419, 0.2608, 0.2441

## Deuteranomaly

47.1648, 0.2680, 0.2509

## Tritanomaly

47.0106, 0.2980, 0.2850

# Monochromacy



## Original Color

47.2263, 0.2802, 0.2458

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

48.6291, 0.3010, 0.2970

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2263, 0.2802, 0.2458 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, 170, 243)` looks like.

```
.text, #text, p{  
    color:rgb(198, 170, 243)  
}
```

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, 170, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 170, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2263, 0.2802, 0.2458 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, 170, 243) }
```

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

```
.border{ border-color:rgb(198, 170, 243) }
```

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

Here you see how a box with a 4 pixel rgb(198, 170, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 170, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 170, 243);  
box-shadow:4px 4px 4px 4px rgb(198, 170,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2263, 0.2802, 0.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 170, 243) }
```

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

```
.background{ background-color: rgb(198,  
170, 243) }
```

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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