

# Converting Colors

$Y_{xy}(47.3073, 0.2843, 0.2325)$

Have a look what the booklet for  
Yxy(47.3073, 0.2843, 0.2325)  
contains.

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# Color

**Yxy(47.2197, 0.2845, 0.2324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4A3FC
RGB	212, 163, 252
RGB Percent	83%, 64%, 99%
CMY	0.1689, 0.3607, 0.0118
CMYK	0.16, 0.35, 0.00, 0.01
HSL	273°, 94%, 81%
HSV	273°, 35%, 99%
XYZ	57.8055, 47.2197, 98.1576
YIQ	187.7970, 0.6350, 38.0670

# Conversions

## Conversions Part 2

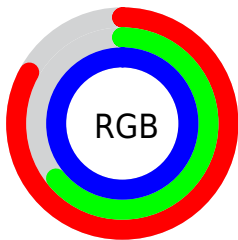
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 163, 252
Decimal	13935612
CIE Lab	74.33, 34.27, -37.46
CIE LCh	74, 50.773, 312.451
Yxy	47.2197, 0.2845, 0.2324
Android (android.graphics.Color)	4292125692 (0xFFD4A3FC)
YUV	187.7970, 31.6521, 21.2260
Hunter-Lab	68.7166, 29.9031, -36.5907

# Details

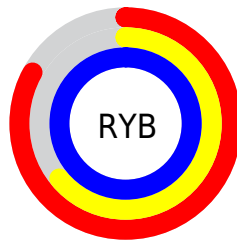
The Yxy color **47.2197, 0.2845, 0.2324** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.9709, 0.3326, 0.4278**, and the grayscale version is **49.9846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6228, 0.3144, 0.2930**, and **22.3769, 0.2758, 0.2110** is the 20% darker color. If you saturate the color by 10%, you get **37.5182, 0.2739, 0.2030**, and if you desaturate by 10%, it is **58.8264, 0.2940, 0.2616**.

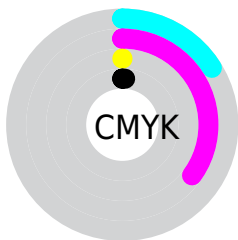
# Distribution



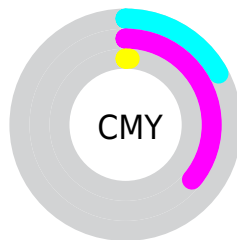
- Red (83%)
- Green (64%)
- Blue (99%)



- Red (83%)
- Yellow (64%)
- Blue (99%)



- Cyan (16%)
- Magenta (35%)
- Yellow (0%)
- Black (1%)




- Cyan (17%)
- Magenta (36%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2197, 0.2845, 0.2324 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 47.2197, 0.2845, 0.2324 by changing the saturation by 10% instead.





 47.2197, 0.2845,  
0.2324

 47.2197, 0.2845,  
0.2324

375.6908, 0.2994,  
0.2767

 33.2094, 0.2807,  
0.2225


 86.0415, 0.2900,  
0.2476

 22.2869, 0.2758,  
0.2104


 111.6217, 0.2920,  
0.2536

 14.0679, 0.2692,  
0.1954

141.8274, 0.2938,  
0.2588

 8.1679, 0.2602,  
0.1763

177.0428, 0.2952,  
0.2633

 4.2026, 0.2472,  
0.1516

217.6525, 0.2965,  
0.2672

 1.7875, 0.2270,  
0.1188

264.0408, 0.2976,

 0.4794, 0.1955,

0.2708

0.0680

316.5921, 0.2985,  
0.2739

0.0000, 0.0945,  
0.0000

0.0000, 0.0000,  
0.0000

47.2197, 0.2845,  
0.2324

47.2197, 0.2845,  
0.2324

37.5182, 0.2739,  
0.2030

58.8264, 0.2940,  
0.2616

29.6073, 0.2624,  
0.1746

72.4324, 0.3023,  
0.2896

23.3685, 0.2503,  
0.1486

88.1326, 0.3094,  
0.3159

18.6664, 0.2380,  
0.1264

99.8079, 0.3144,  
0.3319

■ 15.3432, 0.2263,  
0.1092

■ 13.2046, 0.2154,  
0.0975

■ 12.4778, 0.2106,  
0.0934

# Harmonies

## Analogous

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



47.2197, 0.2281, 0.2209



47.2197, 0.2845, 0.2324



47.2197, 0.3561, 0.2636

# Triad

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



47.2197, 0.2845, 0.2324



47.2197, 0.4403, 0.4126



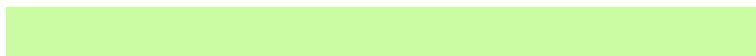
47.2197, 0.2129, 0.3371

# Complementary

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



47.2197, 0.2845, 0.2324



84.9709, 0.3326, 0.4278

# 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.



47.2197, 0.2619, 0.4104



47.2197, 0.2845, 0.2324



47.2197, 0.3935, 0.4510

# Square

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



47.2197, 0.2845, 0.2324



47.2197, 0.4522, 0.3612



47.2197, 0.3280, 0.4550



47.2197, 0.1907, 0.2718



# Rectangle

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



47.2197, 0.2845, 0.2324



47.2197, 0.4017, 0.2927



47.2197, 0.3280, 0.4550



47.2197, 0.2265, 0.3623

# Sweetspot

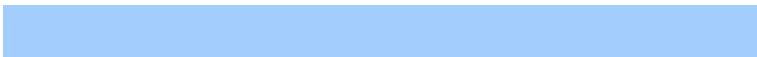
The Sweet Spot groups the original color and five complimentary colors.



47.2216, 0.2845, 0.2324



81.0739, 0.3055, 0.3011



58.2639, 0.2553, 0.2734



16.8937, 0.3045, 0.2975



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.



47.2216, 0.2845, 0.2324



41.6026, 0.2775, 0.2126



53.7410, 0.3192, 0.2438



17.1133, 0.3066, 0.3051



6.5890, 0.2122, 0.0943



0.6732, 0.2245, 0.1010



# Inverse Universe

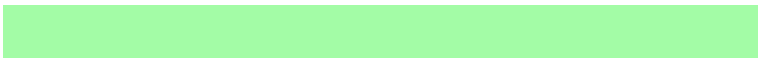
The Inverse Universe completely reimagines the original color for something new.



51.2154, 0.3591, 0.2872



46.3993, 0.3718, 0.2792



80.1601, 0.3062, 0.4321



17.3551, 0.3223, 0.3184



11.4356, 0.5173, 0.2624

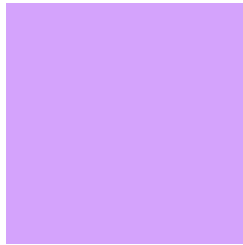


1.0802, 0.4880, 0.2462



# Previews

## White Background



This preview shows how the Yxy color 47.2197, 0.2845, 0.2324 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

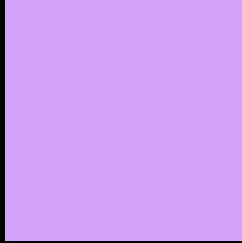
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2197, 0.2845, 0.2324 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 47.2197, 0.2845, 0.2324**

## Background



This preview shows how black text looks on a background with the Yxy color 47.2197, 0.2845, 0.2324.



This preview shows how white text looks on a background with the Yxy color 47.2197, 0.2845, 0.2324.

# 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

47.2197, 0.2845, 0.2324

### Protanopia

47.7413, 0.2478, 0.2411

### Deuteranopia

47.3746, 0.2534, 0.2464



## Tritanopia

47.3249, 0.3240, 0.3118

# Trichromacy



## Original Color

47.2197, 0.2845, 0.2324



## Protanomaly

47.0116, 0.2597, 0.2365



## Deuteranomaly

46.9980, 0.2635, 0.2407



## Tritanomaly

47.0517, 0.3090, 0.2795

# Monochromacy



## Original Color

47.2197, 0.2845, 0.2324



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

48.8137, 0.3028, 0.2904

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2197, 0.2845, 0.2324 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(212, 163, 252)` looks like.

```
.text, #text, p{  
    color:rgb(212, 163, 252)  
}
```

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(212, 163, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 163, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2197, 0.2845, 0.2324 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(212, 163, 252) }
```

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

```
.border{ border-color:rgb(212, 163, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 163, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 163, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 163, 252); box-shadow:4px 4px 4px 4px rgb(212, 163, 252) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2197, 0.2845, 0.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 163, 252) }
```

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

```
.background{ background-color: rgb(212,  
163, 252) }
```

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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