

# Converting Colors

$Y_{xy}(44.9242, 0.2726, 0.2039)$

Have a look what the booklet for  
Yxy(44.9242, 0.2726, 0.2039)  
contains.

<b>Yxy(43.8003, 0.2843, 0.2179)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(43.8003, 0.2843, 0.2179)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D797FF
RGB	215, 151, 255
RGB Percent	84%, 59%, 100%
CMY	0.1568, 0.4079, 0.0000
CMYK	0.16, 0.41, 0.00, 0.00
HSL	277°, 100%, 80%
HSV	277°, 41%, 100%
XYZ	57.1474, 43.8003, 100.0633
YIQ	181.9920, 4.7600, 45.9120

# Conversions

## Conversions Part 2

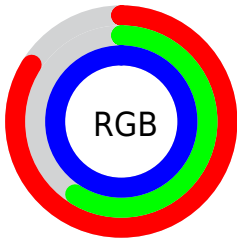
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 151, 255
Decimal	14129151
CIE Lab	72.09, 42.29, -42.56
CIE LCh	72, 59.999, 314.819
Yxy	43.8003, 0.2843, 0.2179
Android (android.graphics.Color)	4292319231 (0xFFD797FF)
YUV	181.9920, 35.9929, 28.9480
Hunter-Lab	66.1818, 38.3151, -43.3160

# Details

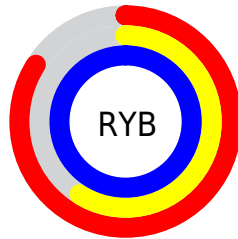
The Yxy color **43.8003, 0.2843, 0.2179** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.8264, 0.3307, 0.4465**, and the grayscale version is **46.5735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **20.2700, 0.2743, 0.1933** is the 20% darker color. If you saturate the color by 10%, you get **35.0227, 0.2749, 0.1899**, and if you desaturate by 10%, it is **54.4431, 0.2929, 0.2466**.

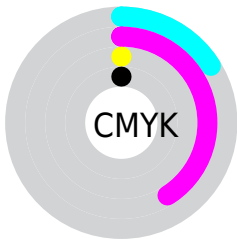
# Distribution



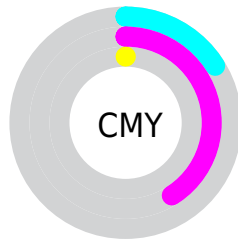
- Red (84%)
- Green (59%)
- Blue (100%)



- Red (84%)
- Yellow (59%)
- Blue (100%)



- Cyan (16%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (41%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8003, 0.2843, 0.2179 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 43.8003, 0.2843, 0.2179 by changing the saturation by 10% instead.




 43.8003, 0.2843,  
0.2179


 43.8003, 0.2843,  
0.2179


361.8927, 0.2998,  
0.2686

 30.5135, 0.2802,  
0.2067


 80.9172, 0.2901,  
0.2352

 20.2287, 0.2749,  
0.1931


 105.5161, 0.2923,  
0.2420

 12.5614, 0.2678,  
0.1764

134.6544, 0.2941,  
0.2479

 7.1272, 0.2579,  
0.1555

168.7167, 0.2956,  
0.2531

 3.5418, 0.2435,  
0.1288

208.0873, 0.2969,  
0.2576

 1.4207, 0.2212,  
0.0948

253.1506, 0.2980,

 0.2319, 0.1886,

0.2617

0.0331

304.2909, 0.2990,  
0.2653

0.0000, 0.0755,  
0.0000

0.0000, 0.0000,  
0.0000

43.8003, 0.2843,  
0.2179

43.8003, 0.2843,  
0.2179

35.0227, 0.2749,  
0.1899

54.4431, 0.2929,  
0.2466

27.9909, 0.2647,  
0.1638

67.0556, 0.3004,  
0.2748

22.5749, 0.2542,  
0.1410

81.7370, 0.3068,  
0.3018

18.6248, 0.2437,  
0.1226

98.5791, 0.3123,  
0.3271

■ 15.9613, 0.2336,  
0.1094

100.0000, 0.3127,  
0.3290

■ 14.3868, 0.2250,  
0.1013

# Harmonies

## Analogous

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



43.8003, 0.2165, 0.2023



43.8003, 0.2843, 0.2179



43.8003, 0.3714, 0.2552

# Triad

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



43.8003, 0.2843, 0.2179



43.8003, 0.4604, 0.4289



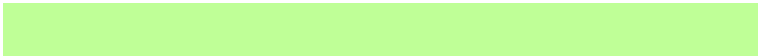
43.8003, 0.1907, 0.3299

# Complementary

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



43.8003, 0.2843, 0.2179



84.8264, 0.3307, 0.4465

# 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.



43.8003, 0.2448, 0.4231



43.8003, 0.2843, 0.2179



43.8003, 0.4005, 0.4769

# Square

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



43.8003, 0.2843, 0.2179



43.8003, 0.4813, 0.3682



43.8003, 0.3217, 0.4824



43.8003, 0.1689, 0.2538



# Rectangle

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



43.8003, 0.2843, 0.2179



43.8003, 0.4262, 0.2892



43.8003, 0.3217, 0.4824



43.8003, 0.2053, 0.3611

# Sweetspot

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



43.8010, 0.2843, 0.2179



79.8437, 0.3061, 0.2986



51.7596, 0.2446, 0.2543



16.6608, 0.3053, 0.2951



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.



43.8010, 0.2843, 0.2179



36.4602, 0.2766, 0.1948



49.9586, 0.3261, 0.2370



17.9314, 0.3076, 0.3051



7.6060, 0.2264, 0.1021



0.8035, 0.2370, 0.1079



# Inverse Universe

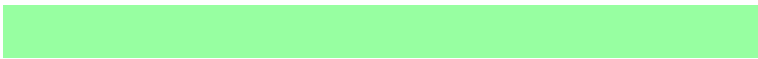
The Inverse Universe completely reimagines the original color for something new.



47.1507, 0.3763, 0.2875



40.4560, 0.3959, 0.2796



80.6856, 0.3017, 0.4427



18.1026, 0.3234, 0.3199



11.5966, 0.5448, 0.2775

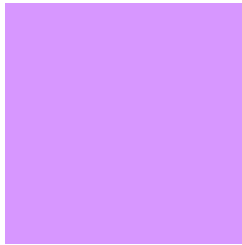


1.1497, 0.5141, 0.2606



# Previews

## White Background



This preview shows how the Yxy color 43.8003, 0.2843, 0.2179 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

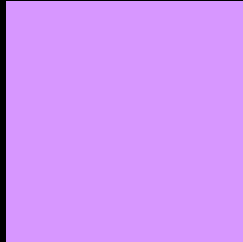
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.8003, 0.2843, 0.2179 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

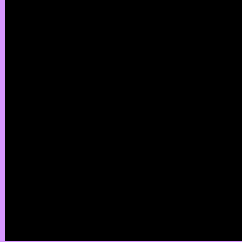
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.8003, 0.2843, 0.2179**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.8003, 0.2843, 0.2179.



This preview shows how white text looks on a background with the Yxy color 43.8003, 0.2843, 0.2179.

# 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

43.8003, 0.2843, 0.2179

### Protanopia

43.9761, 0.2403, 0.2309

### Deuteranopia

44.0461, 0.2431, 0.2371



## Tritanopia

43.6292, 0.3348, 0.3129

# Trichromacy



## Original Color

43.8003, 0.2843, 0.2179



## Protanomaly

43.4911, 0.2546, 0.2253



## Deuteranomaly

43.2994, 0.2563, 0.2281



## Tritanomaly

43.2601, 0.3153, 0.2742

# Monochromacy



## Original Color

43.8003, 0.2843, 0.2179



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

45.1986, 0.3020, 0.2825

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.8003, 0.2843, 0.2179 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(215, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 151, 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(215, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 151, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 43.8003, 0.2843, 0.2179 is called "border". The border property can be set on classes, ids or directly on the HTML element.

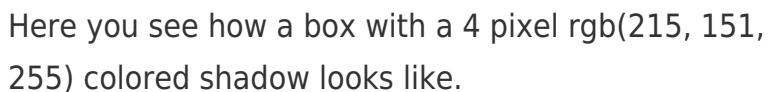
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 151, 255) }
```

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

```
.border{ border-color:rgb(215, 151, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 151, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 151, 255); box-shadow:4px 4px 4px 4px rgb(215, 151, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.8003, 0.2843, 0.2179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 151, 255) }
```

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

```
.background{ background-color: rgb(215,  
151, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor