

# Converting Colors

$Y_{xy}(39.7441, 0.2883, 0.2179)$

Have a look what the booklet for  
Yxy(39.7441, 0.2883, 0.2179)  
contains.

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# Color

**Yxy(39.8176, 0.2887, 0.2187)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D28FF3
RGB	210, 143, 243
RGB Percent	82%, 56%, 95%
CMY	0.1767, 0.4391, 0.0472
CMYK	0.14, 0.41, 0.00, 0.05
HSL	280°, 81%, 76%
HSV	280°, 41%, 95%
XYZ	52.5621, 39.8176, 89.6852
YIQ	174.4330, 7.8320, 45.3040

# Conversions

## Conversions Part 2

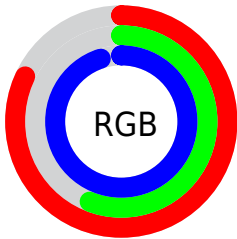
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 143, 243
Decimal	13799411
CIE Lab	69.34, 42.56, -40.34
CIE LCh	69, 58.644, 316.536
Yxy	39.8176, 0.2887, 0.2187
Android (android.graphics.Color)	4291989491 (0xFFD28FF3)
YUV	174.4330, 33.8035, 31.1923
Hunter-Lab	63.1012, 38.2602, -40.0975

# Details

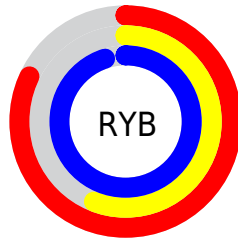
The Yxy color  $39.8176, 0.2887, 0.2187$  is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be  $75.3058, 0.3272, 0.4486$ , and the grayscale version is  $42.3823, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $68.8682, 0.3153, 0.2732$ , and  $17.8974, 0.2807, 0.1938$  is the 20% darker color. If you saturate the color by 10%, you get  $32.1460, 0.2807, 0.1917$ , and if you desaturate by 10%, it is  $49.1314, 0.2959, 0.2466$ .

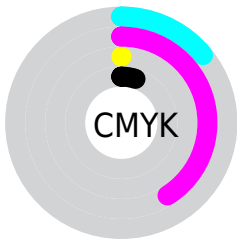
# Distribution



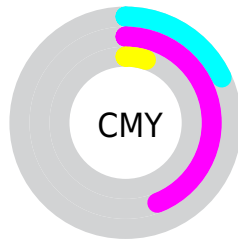
- Red (82%)
- Green (56%)
- Blue (95%)



- Red (82%)
- Yellow (56%)
- Blue (95%)



- Cyan (14%)
- Magenta (41%)
- Yellow (0%)
- Black (5%)




- Cyan (18%)
- Magenta (44%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8176, 0.2887, 0.2187 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 39.8176, 0.2887, 0.2187 by changing the saturation by 10% instead.




 39.8176, 0.2887,  
0.2187


 39.8176, 0.2887,  
0.2187

345.3542, 0.3023,  
0.2699

 27.3964, 0.2850,  
0.2072


 74.8857, 0.2939,  
0.2363

 17.8711, 0.2800,  
0.1932


 98.3013, 0.2958,  
0.2432

 10.8575, 0.2733,  
0.1757


126.1505, 0.2974,  
0.2492

 5.9711, 0.2637,  
0.1536

158.8177, 0.2987,  
0.2544

 2.8275, 0.2491,  
0.1252

196.6873, 0.2998,  
0.2590

 1.0424, 0.2258,  
0.0885

240.1436, 0.3007,

 0.0000, 0.1940,

0.2630

0.0000

289.5711, 0.3016,  
0.2666

0.0000, 0.0000,  
0.0000

39.8176, 0.2887,  
0.2187

39.8176, 0.2887,  
0.2187

32.1460, 0.2807,  
0.1917

49.1314, 0.2959,  
0.2466

26.0078, 0.2720,  
0.1667

60.1771, 0.3023,  
0.2743

21.2887, 0.2630,  
0.1451

73.0436, 0.3077,  
0.3010

17.8555, 0.2539,  
0.1278

87.8121, 0.3123,  
0.3263

15.5489, 0.2451,  
0.1155

98.3307, 0.3166,  
0.3407

■ 14.2207, 0.2377,  
0.1083

■ 99.2493, 0.3197,  
0.3405

# Harmonies

## Analogous

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



39.8176, 0.2189, 0.2016



39.8176, 0.2887, 0.2187



39.8176, 0.3769, 0.2574

# Triad

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



39.8176, 0.2887, 0.2187



39.8176, 0.4589, 0.4328



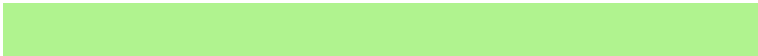
39.8176, 0.1876, 0.3246

# Complementary

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



39.8176, 0.2887, 0.2187



75.3058, 0.3272, 0.4486

# 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.



39.8176, 0.2403, 0.4191



39.8176, 0.2887, 0.2187



39.8176, 0.3968, 0.4799

# Square

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



39.8176, 0.2887, 0.2187



39.8176, 0.4829, 0.3718



39.8176, 0.3170, 0.4823



39.8176, 0.1675, 0.2497



# Rectangle

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



39.8176, 0.2887, 0.2187



39.8176, 0.4314, 0.2920



39.8176, 0.3170, 0.4823



39.8176, 0.2016, 0.3558

# Sweetspot

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



39.8193, 0.2887, 0.2187



80.1386, 0.3072, 0.2987



43.5005, 0.2428, 0.2451



16.7303, 0.3066, 0.2952



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.



39.8193, 0.2887, 0.2187



37.4501, 0.2823, 0.1970



44.2145, 0.3322, 0.2426



16.4779, 0.3085, 0.3053



7.8834, 0.2390, 0.1090



0.7487, 0.2494, 0.1147



# Inverse Universe

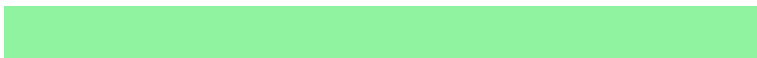
The Inverse Universe completely reimagines the original color for something new.



41.8435, 0.3826, 0.2931



40.1921, 0.4036, 0.2865



72.4540, 0.2982, 0.4348



16.5728, 0.3242, 0.3212



10.8005, 0.5653, 0.2888

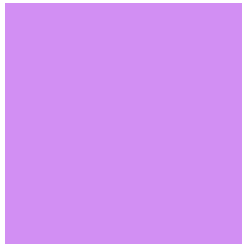


0.9675, 0.5301, 0.2694



# Previews

## White Background



This preview shows how the Yxy color 39.8176, 0.2887, 0.2187 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

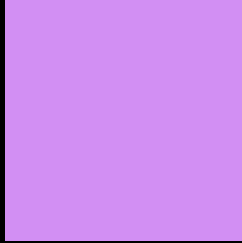
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.8176, 0.2887, 0.2187 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

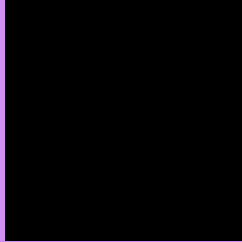
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.8176, 0.2887, 0.2187**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.8176, 0.2887, 0.2187.

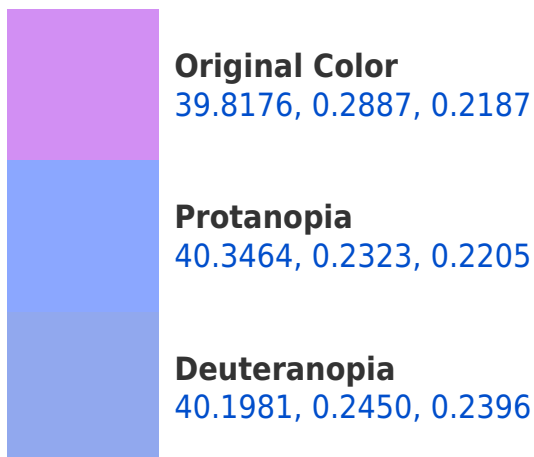


This preview shows how white text looks on a background with the Yxy color 39.8176, 0.2887, 0.2187.

# 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





## Tritanopia

39.8787, 0.3406, 0.3137

# Trichromacy



## Original Color

39.8176, 0.2887, 0.2187



## Protanomaly

39.4181, 0.2494, 0.2177



## Deuteranomaly

39.5226, 0.2591, 0.2301



## Tritanomaly

39.5102, 0.3210, 0.2751

# Monochromacy



## Original Color

39.8176, 0.2887, 0.2187



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

40.8827, 0.3040, 0.2831

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.8176, 0.2887, 0.2187 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(210, 143, 243)` looks like.

```
.text, #text, p{  
    color:rgb(210, 143, 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(210, 143, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 143, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 39.8176, 0.2887, 0.2187 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(210, 143, 243) }
```

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

```
.border{ border-color:rgb(210, 143, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 143, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 143, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 143, 243);  
box-shadow:4px 4px 4px 4px rgb(210, 143,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.8176, 0.2887, 0.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 143, 243) }
```

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

```
.background{ background-color: rgb(210,  
143, 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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