

# Converting Colors

$Y_{xy}(35.4019, 0.2767, 0.1843)$

Have a look what the booklet for  
Yxy(35.4019, 0.2767, 0.1843)  
contains.

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**Color**

**Yxy(35.0409, 0.2814, 0.1884)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D579FF
RGB	213, 121, 255
RGB Percent	84%, 47%, 100%
CMY	0.1645, 0.5256, 0.0000
CMYK	0.16, 0.53, 0.00, 0.00
HSL	281°, 100%, 74%
HSV	281°, 53%, 100%
XYZ	52.3382, 35.0409, 98.6130
YIQ	163.7840, 11.8180, 61.1780

# Conversions

## Conversions Part 2

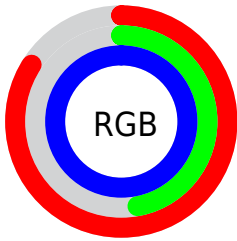
Format	Color
R <sub>Y</sub> B	213, 121, 255
Decimal	13990399
CIE Lab	65.78, 57.32, -52.50
CIE LCh	66, 77.732, 317.512
Yxy	35.0409, 0.2814, 0.1884
Android (android.graphics.Color)	4292180479 (0xFFD579FF)
YUV	163.7840, 44.9695, 43.1624
Hunter-Lab	59.1954, 54.2307, -57.3339

# Details

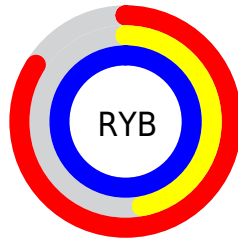
The Yxy color **35.0409, 0.2814, 0.1884** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.6785, 0.3276, 0.4867**, and the grayscale version is **36.7944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **15.0601, 0.2686, 0.1573** is the 20% darker color. If you saturate the color by 10%, you get **28.4791, 0.2731, 0.1642**, and if you desaturate by 10%, it is **43.3016, 0.2891, 0.2150**.

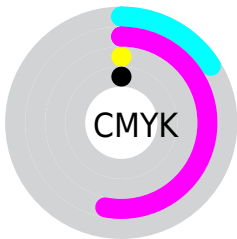
# Distribution



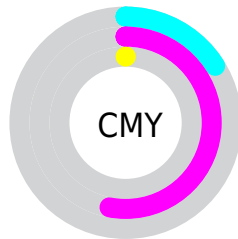
- Red (84%)
- Green (47%)
- Blue (100%)



- Red (84%)
- Yellow (47%)
- Blue (100%)



- Cyan (16%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (53%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0409, 0.2814, 0.1884 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 35.0409, 0.2814, 0.1884 by changing the saturation by 10% instead.





 35.0409, 0.2814,  
0.1884


 35.0409, 0.2814,  
0.1884


324.7488, 0.2998,  
0.2522


 23.6944, 0.2763,  
0.1746


 67.5491, 0.2885,  
0.2100

 15.1071, 0.2695,  
0.1580


 89.4796, 0.2911,  
0.2186

 8.8946, 0.2603,  
0.1380


 115.7069, 0.2932,  
0.2260

 4.6725, 0.2473,  
0.1136

146.6154, 0.2950,  
0.2326

 2.0564, 0.2282,  
0.0841

182.5894, 0.2964,  
0.2383

 0.6399, 0.1990,  
0.0484

224.0134, 0.2977,


 0.0000, 0.1546,


0.2435

0.0000


271.2717, 0.2988,  
0.2481


 0.0000, 0.0000,  
0.0000


 35.0409, 0.2814,  
0.1884


 35.0409, 0.2814,  
0.1884


 28.4791, 0.2731,  
0.1642


 43.3016, 0.2891,  
0.2150

 23.4792, 0.2646,  
0.1435


 53.3757, 0.2960,  
0.2427


 19.8892, 0.2559,  
0.1273

 65.3722, 0.3021,  
0.2704

 17.5236, 0.2476,  
0.1161

 79.3902, 0.3073,  
0.2973

 16.3553, 0.2417,  
0.1105

 95.5220, 0.3117,  
0.3228

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



35.0409, 0.1915, 0.1661



35.0409, 0.2814, 0.1884



35.0409, 0.4031, 0.2363

# Triad

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



35.0409, 0.2814, 0.1884



35.0409, 0.4968, 0.4545



35.0409, 0.1466, 0.3131

# Complementary

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



35.0409, 0.2814, 0.1884



80.6785, 0.3276, 0.4867

# 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.



35.0409, 0.2084, 0.4539



35.0409, 0.2814, 0.1884



35.0409, 0.4093, 0.5292

# Square

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



35.0409, 0.2814, 0.1884



35.0409, 0.5401, 0.3747



35.0409, 0.3054, 0.5472



35.0409, 0.1269, 0.2167



# Rectangle

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



35.0409, 0.2814, 0.1884



35.0409, 0.4791, 0.2785



35.0409, 0.3054, 0.5472



35.0409, 0.1622, 0.3578

# Sweetspot

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



35.0423, 0.2814, 0.1884



74.3323, 0.3056, 0.2881



37.6256, 0.2215, 0.2131



15.2878, 0.3046, 0.2826



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.



35.0423, 0.2814, 0.1884



28.2266, 0.2728, 0.1632



40.6660, 0.3414, 0.2224



17.9985, 0.3088, 0.3052



8.6289, 0.2430, 0.1112



0.8983, 0.2520, 0.1162



# Inverse Universe

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



37.5704, 0.4166, 0.2863



31.3609, 0.4506, 0.2806



77.6444, 0.2942, 0.4681



18.0807, 0.3245, 0.3216



11.4336, 0.5722, 0.2926

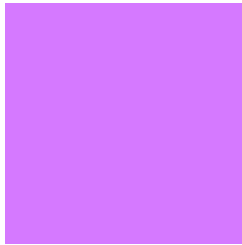


1.1320, 0.5402, 0.2750



# Previews

## White Background



This preview shows how the Yxy color 35.0409, 0.2814, 0.1884 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

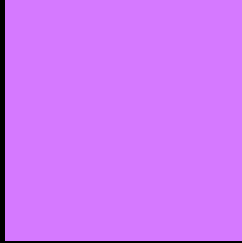
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.0409, 0.2814, 0.1884 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 35.0409, 0.2814, 0.1884**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.0409, 0.2814, 0.1884.



This preview shows how white text looks on a background with the Yxy color 35.0409, 0.2814, 0.1884.

# 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

35.0409, 0.2814, 0.1884

### Protanopia

35.3989, 0.2198, 0.2048

### Deuteranopia

35.5638, 0.2205, 0.2144



## Tritanopia

34.9979, 0.3565, 0.3147

# Trichromacy



## Original Color

35.0409, 0.2814, 0.1884



## Protanomaly

34.0365, 0.2371, 0.1952



## Deuteranomaly

34.1021, 0.2376, 0.2003



## Tritanomaly

34.4381, 0.3261, 0.2600

# Monochromacy



## Original Color

35.0409, 0.2814, 0.1884



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

35.1561, 0.3013, 0.2651

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.0409, 0.2814, 0.1884 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(213, 121, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 121, 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(213, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 121, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 35.0409, 0.2814, 0.1884 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(213, 121, 255) }
```

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

```
.border{ border-color:rgb(213, 121, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 121, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 121, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 121, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 121,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.0409, 0.2814, 0.1884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 121, 255) }
```

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

```
.background{ background-color: rgb(213,  
121, 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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