

# Converting Colors

Yxy(34.8130, 0.2806, 0.1889)

Have a look what the booklet for  
Yxy(34.8130, 0.2806, 0.1889)  
contains.

<b>Yxy(34.6794, 0.2804, 0.1885)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(34.6794, 0.2804, 0.1885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D379FE
RGB	211, 121, 254
RGB Percent	83%, 47%, 100%
CMY	0.1725, 0.5254, 0.0041
CMYK	0.17, 0.52, 0.00, 0.00
HSL	281°, 98%, 74%
HSV	281°, 52%, 100%
XYZ	51.5868, 34.6794, 97.7094
YIQ	163.0720, 10.9470, 60.4430

# Conversions

## Conversions Part 2

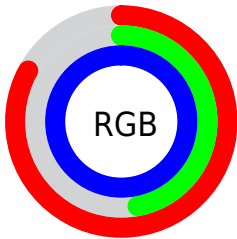
Format	Color
R <sub>Y</sub> B	211, 121, 254
Decimal	13859326
CIE Lab	65.50, 56.57, -52.40
CIE LCh	65, 77.105, 317.192
Yxy	34.6794, 0.2804, 0.1885
Android (android.graphics.Color)	4292049406 (0xFFD379FE)
YUV	163.0720, 44.8275, 42.0329
Hunter-Lab	58.8892, 53.3093, -57.1520

# Details

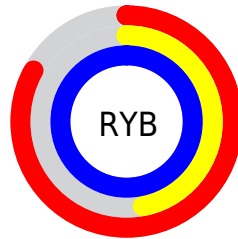
The Yxy color **34.6794, 0.2804, 0.1885** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.1303, 0.3284, 0.4856**, and the grayscale version is **36.4442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **14.9156, 0.2684, 0.1575** is the 20% darker color. If you saturate the color by 10%, you get **28.1177, 0.2719, 0.1640**, and if you desaturate by 10%, it is **42.9302, 0.2883, 0.2153**.

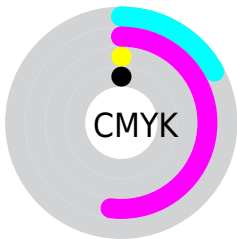
# Distribution



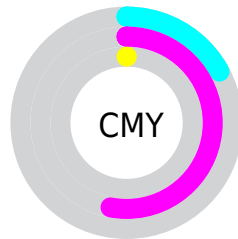
- Red (83%)
- Green (47%)
- Blue (100%)



- Red (83%)
- Yellow (47%)
- Blue (100%)



- Cyan (17%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)




- Cyan (17%)
- Magenta (53%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.6794, 0.2804, 0.1885 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 34.6794, 0.2804, 0.1885 by changing the saturation by 10% instead.





 34.6794, 0.2804,  
0.1885


 34.6794, 0.2804,  
0.1885


323.1510, 0.2993,  
0.2524


 23.4160, 0.2752,  
0.1746


 66.9888, 0.2877,  
0.2102

 14.9010, 0.2683,  
0.1580


 88.8036, 0.2903,  
0.2188

 8.7499, 0.2588,  
0.1378

 114.9044, 0.2925,  
0.2262

 4.5784, 0.2455,  
0.1133

145.6755, 0.2943,  
0.2328

 2.0021, 0.2259,  
0.0836

181.5013, 0.2958,  
0.2385

 0.6087, 0.1962,  
0.0473

222.7662, 0.2972,

 0.0000, 0.1506,

0.2437


0.0000


269.8546, 0.2983,  
0.2483


 0.0000, 0.0000,  
0.0000

 34.6794, 0.2804,  
0.1885

 34.6794, 0.2804,  
0.1885

 28.1177, 0.2719,  
0.1640


 42.9302, 0.2883,  
0.2153


 23.1094, 0.2630,  
0.1430


 52.9829, 0.2955,  
0.2431


 19.5046, 0.2541,  
0.1266

 64.9456, 0.3018,  
0.2709

 17.1205, 0.2455,  
0.1151

 78.9162, 0.3072,  
0.2978

 15.9136, 0.2393,  
0.1092

 94.9860, 0.3118,  
0.3233

99.9334, 0.3133,  
0.3300

# Harmonies

## Analogous

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



34.6794, 0.1912, 0.1666



34.6794, 0.2804, 0.1885



34.6794, 0.4014, 0.2360

# Triad

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



34.6794, 0.2804, 0.1885



34.6794, 0.4970, 0.4534



34.6794, 0.1476, 0.3146

# Complementary

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



34.6794, 0.2804, 0.1885



80.1303, 0.3284, 0.4856

# 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.



34.6794, 0.2098, 0.4547



34.6794, 0.2804, 0.1885



34.6794, 0.4103, 0.5278

# Square

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



34.6794, 0.2804, 0.1885



34.6794, 0.5393, 0.3739



34.6794, 0.3067, 0.5465



34.6794, 0.1276, 0.2179



# Rectangle

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



34.6794, 0.2804, 0.1885



34.6794, 0.4773, 0.2781



34.6794, 0.3067, 0.5465



34.6794, 0.1634, 0.3592

# Sweetspot

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



34.6808, 0.2804, 0.1885



74.2594, 0.3053, 0.2881



38.2483, 0.2225, 0.2166



15.2704, 0.3042, 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.



34.6808, 0.2804, 0.1885



27.9974, 0.2713, 0.1625



40.5566, 0.3391, 0.2210



17.9890, 0.3086, 0.3052



8.4756, 0.2406, 0.1099



0.8842, 0.2499, 0.1150



# Inverse Universe

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



37.4207, 0.4144, 0.2850



31.4111, 0.4484, 0.2790



76.9145, 0.2952, 0.4703



18.0838, 0.3243, 0.3213



11.4543, 0.5685, 0.2905

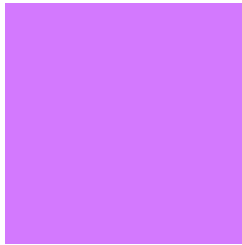


1.1343, 0.5366, 0.2730



# Previews

## White Background



This preview shows how the Yxy color 34.6794, 0.2804, 0.1885 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

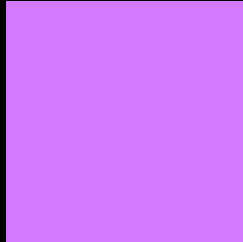
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.6794, 0.2804, 0.1885 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

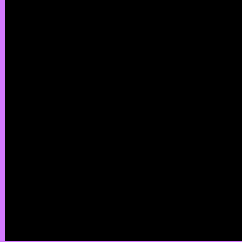
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.6794, 0.2804, 0.1885**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.6794, 0.2804, 0.1885.



This preview shows how white text looks on a background with the Yxy color 34.6794, 0.2804, 0.1885.

# 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

34.6794, 0.2804, 0.1885

### Protanopia

34.9900, 0.2190, 0.2034

### Deuteranopia

35.0891, 0.2202, 0.2139



## Tritanopia

34.4209, 0.3547, 0.3132

# Trichromacy



## Original Color

34.6794, 0.2804, 0.1885



## Protanomaly

33.6372, 0.2362, 0.1938



## Deuteranomaly

33.5425, 0.2366, 0.1995



## Tritanomaly

33.8316, 0.3252, 0.2594

# Monochromacy



## Original Color

34.6794, 0.2804, 0.1885



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

34.8686, 0.3003, 0.2659

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.6794, 0.2804, 0.1885 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(211, 121, 254)` looks like.

```
.text, #text, p{  
    color:rgb(211, 121, 254)  
}
```

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(211, 121, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 121, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 34.6794, 0.2804, 0.1885 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(211, 121, 254) }
```

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

```
.border{ border-color:rgb(211, 121, 254) }
```

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

Here you see how a box with a 4 pixel rgb(211, 121, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 121, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 121, 254);  
box-shadow:4px 4px 4px 4px rgb(211, 121,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.6794, 0.2804, 0.1885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 121, 254) }
```

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

```
.background{ background-color: rgb(211,  
121, 254) }
```

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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