

Converting Colors

$Y_{xy}(33.4351, 0.2760, 0.1836)$

Have a look what the booklet for
Yxy(33.4351, 0.2760, 0.1836)
contains.

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Color

Yxy(33.4423, 0.2760, 0.1836)

Conversions

Conversions Part 1

Format	Color
Hex	CF76FF
RGB	207, 118, 255
RGB Percent	81%, 46%, 100%
CMY	0.1881, 0.5374, 0.0000
CMYK	0.19, 0.54, 0.00, 0.00
HSL	279°, 100%, 73%
HSV	279°, 54%, 100%
XYZ	50.2727, 33.4423, 98.4326
YIQ	160.2290, 9.0670, 61.4750

Conversions

Conversions Part 2

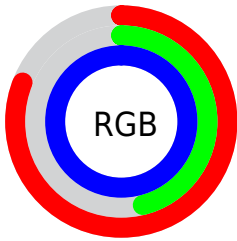
Format	Color
R _Y B	207, 118, 255
Decimal	13596415
CIE Lab	64.52, 57.30, -54.56
CIE LCh	65, 79.123, 316.403
Yxy	33.4423, 0.2760, 0.1836
Android (android.graphics.Color)	4291786495 (0xFFCF76FF)
YUV	160.2290, 46.7221, 41.0182
Hunter-Lab	57.8293, 53.9740, -60.4383

Details

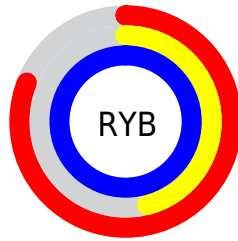
The Yxy color **33.4423, 0.2760, 0.1836** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.9261, 0.3307, 0.4889**, and the grayscale version is **35.0403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **14.2280, 0.2626, 0.1518** is the 20% darker color. If you saturate the color by 10%, you get **26.9786, 0.2667, 0.1590**, and if you desaturate by 10%, it is **41.6010, 0.2848, 0.2106**.

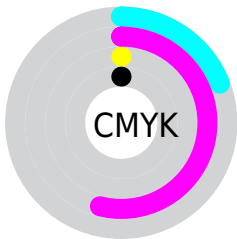
Distribution



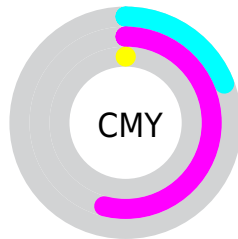
- Red (81%)
- Green (46%)
- Blue (100%)



- Red (81%)
- Yellow (46%)
- Blue (100%)



- Cyan (19%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)




- Cyan (19%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4423, 0.2760, 0.1836 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 33.4423, 0.2760, 0.1836 by changing the saturation by 10% instead.


 33.4423, 0.2760,
0.1836


 33.4423, 0.2760,
0.1836


317.6381, 0.2973,
0.2497


 22.4655, 0.2702,
0.1693


 65.0655, 0.2842,
0.2060

 14.1993, 0.2625,
0.1522


 86.4806, 0.2871,
0.2149

 8.2594, 0.2520,
0.1316


 112.1440, 0.2896,
0.2226

 4.2614, 0.2374,
0.1066

142.4400, 0.2916,
0.2294

 1.8208, 0.2161,
0.0768

177.7530, 0.2934,
0.2353

 0.5001, 0.1845,
0.0392

218.4674, 0.2949,

 0.0000, 0.1358,

0.2407

0.0000

264.9676, 0.2961,
0.2454

0.0000, 0.0000,
0.0000

33.4423, 0.2760,
0.1836

33.4423, 0.2760,
0.1836

26.9786, 0.2667,
0.1590

41.6010, 0.2848,
0.2106

22.0752, 0.2570,
0.1381

51.5756, 0.2928,
0.2387

18.5751, 0.2475,
0.1218

63.4750, 0.2998,
0.2668

16.2873, 0.2383,
0.1106

77.3997, 0.3059,
0.2941

15.3014, 0.2329,
0.1057

93.4430, 0.3110,
0.3198

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.



33.4423, 0.1856, 0.1619



33.4423, 0.2760, 0.1836



33.4423, 0.4010, 0.2315

Triad

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



33.4423, 0.2760, 0.1836



33.4423, 0.5034, 0.4528



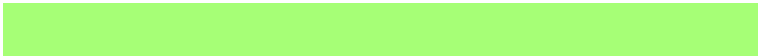
33.4423, 0.1436, 0.3168

Complementary

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



33.4423, 0.2760, 0.1836



80.9261, 0.3307, 0.4889

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.



33.4423, 0.2080, 0.4639



33.4423, 0.2760, 0.1836



33.4423, 0.4141, 0.5320

Square

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



33.4423, 0.2760, 0.1836



33.4423, 0.5469, 0.3713



33.4423, 0.3079, 0.5566



33.4423, 0.1226, 0.2156

Rectangle

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



33.4423, 0.2760, 0.1836



33.4423, 0.4808, 0.2741



33.4423, 0.3079, 0.5566



33.4423, 0.1599, 0.3637

Sweetspot

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



33.4421, 0.2760, 0.1836



74.0663, 0.3046, 0.2880



38.3168, 0.2206, 0.2160



15.2242, 0.3034, 0.2824



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.



33.4421, 0.2760, 0.1836



26.8303, 0.2664, 0.1584



40.1761, 0.3377, 0.2167



17.9637, 0.3082, 0.3052



8.0818, 0.2343, 0.1064



0.8479, 0.2442, 0.1119

Inverse Universe

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



36.9603, 0.4140, 0.2803



31.0468, 0.4457, 0.2742



77.2197, 0.2959, 0.4775



18.0920, 0.3239, 0.3207



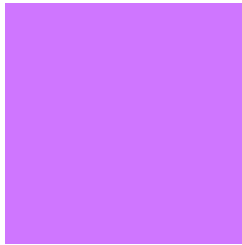
11.5132, 0.5583, 0.2849



1.1408, 0.5268, 0.2676

Previews

White Background



This preview shows how the Yxy color 33.4423, 0.2760, 0.1836 looks on a white background.

Color Contrast Check

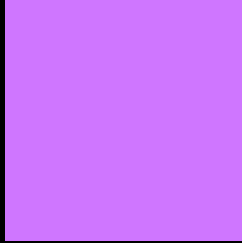
Large Text (above 18pt) WCAG AA × Fail

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 33.4423, 0.2760, 0.1836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

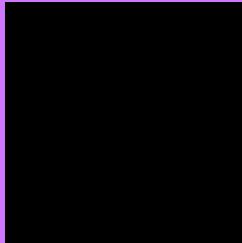
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4423, 0.2760, 0.1836

Background



This preview shows how black text looks on a background with the Yxy color 33.4423, 0.2760, 0.1836.

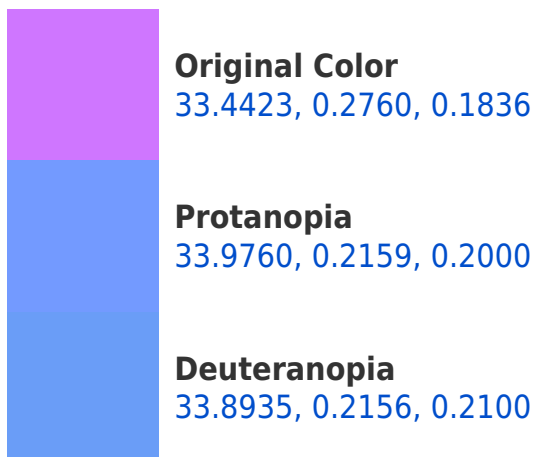


This preview shows how white text looks on a background with the Yxy color 33.4423, 0.2760, 0.1836.

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

33.3894, 0.3518, 0.3143

Trichromacy



Original Color

33.4423, 0.2760, 0.1836



Protanomaly

32.5657, 0.2325, 0.1903



Deuteranomaly

32.3867, 0.2321, 0.1957



Tritanomaly

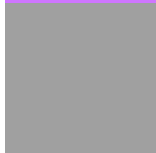
32.9599, 0.3222, 0.2584

Monochromacy



Original Color

33.4423, 0.2760, 0.1836



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.5380, 0.2983, 0.2625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4423, 0.2760, 0.1836 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(207, 118, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 118, 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(207, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 118, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.4423, 0.2760, 0.1836 is called "border". The border property can be set on classes, ids or directly on the HTML element.

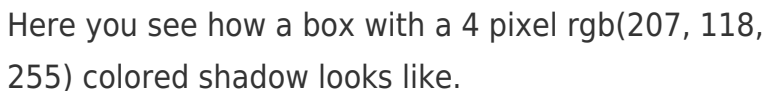
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 118, 255) }
```

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

```
.border{ border-color:rgb(207, 118, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 118, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 118,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4423, 0.2760, 0.1836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 118, 255) }
```

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

```
.background{ background-color: rgb(207,  
118, 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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