

Converting Colors

$Y_{xy}(34.3370, 0.2703, 0.1931)$

Have a look what the booklet for
Yxy(34.3370, 0.2703, 0.1931)
contains.

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Color

Yxy(34.4013, 0.2701, 0.1935)

Conversions

Conversions Part 1

Format	Color
Hex	C481FB
RGB	196, 129, 251
RGB Percent	77%, 51%, 98%
CMY	0.2315, 0.4940, 0.0157
CMYK	0.22, 0.49, 0.00, 0.02
HSL	273°, 94%, 75%
HSV	273°, 49%, 98%
XYZ	48.0196, 34.4013, 95.3636
YIQ	162.9410, 0.7700, 52.1460

Conversions

Conversions Part 2

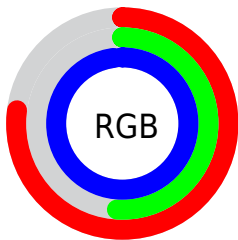
Format	Color
R_{YB}	196, 129, 251
Decimal	12878331
CIE _{Lab}	65.28, 47.88, -51.22
CIE _{LCh}	65, 70.113, 313.073
Yxy	34.4013, 0.2701, 0.1935
Android (android.graphics.Color)	4291068411 (0xFFC481FB)
YUV	162.9410, 43.4131, 28.9927
Hunter-Lab	58.6526, 43.4980, -55.3431

Details

The Yxy color **34.4013, 0.2701, 0.1935** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **80.7663, 0.3380, 0.4688**, and the grayscale version is **36.3891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **14.6918, 0.2549, 0.1625** is the 20% darker color. If you saturate the color by 10%, you get **27.1203, 0.2583, 0.1657**, and if you desaturate by 10%, it is **43.4232, 0.2811, 0.2227**.

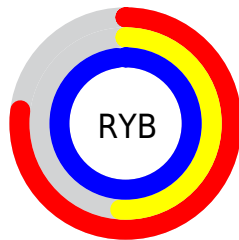
Distribution



Red (77%)

Green (51%)

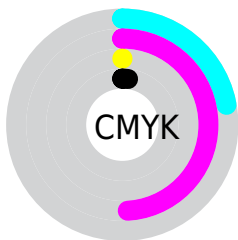
Blue (98%)



Red (77%)

Yellow (51%)

Blue (98%)

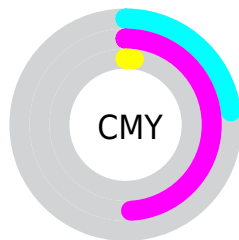


Cyan (22%)

Magenta (49%)

Yellow (0%)

Black (2%)



Cyan (23%)


Magenta (49%)


Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4013, 0.2701, 0.1935 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 34.4013, 0.2701, 0.1935 by changing the saturation by 10% instead.


 34.4013, 0.2701,
0.1935


 34.4013, 0.2701,
0.1935


321.9177, 0.2937,
0.2560


 23.2021, 0.2638,
0.1797


 66.5572, 0.2791,
0.2149

 14.7428, 0.2556,
0.1631


 88.2827, 0.2823,
0.2233

 8.6391, 0.2445,
0.1428


 114.2857, 0.2850,
0.2306

 4.5065, 0.2291,
0.1179

144.9507, 0.2873,
0.2369

 1.9607, 0.2069,
0.0875

180.6620, 0.2893,
0.2425

 0.5845, 0.1739,
0.0491


221.8040, 0.2910,


 0.0000, 0.1228,


0.2475


0.0000


268.7611, 0.2925,
0.2520

 0.0000, 0.0000,
0.0000


 34.4013, 0.2701,
0.1935


 34.4013, 0.2701,
0.1935


 27.1203, 0.2583,
0.1657


 43.4232, 0.2811,
0.2227


 21.4527, 0.2461,
0.1408


 54.2931, 0.2910,
0.2521


 17.2591, 0.2340,
0.1201

 67.1142, 0.2997,
0.2805

 14.3739, 0.2224,
0.1047

 81.9804, 0.3072,
0.3074

 12.5610, 0.2118,
0.0945

 98.9797, 0.3135,
0.3324

■ 12.3477, 0.2104,
0.0933

■ 99.7441, 0.3150,
0.3328

Harmonies

Analogous

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



34.4013, 0.1915, 0.1764



34.4013, 0.2701, 0.1935



34.4013, 0.3787, 0.2356

Triad

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



34.4013, 0.2701, 0.1935



34.4013, 0.4939, 0.4384



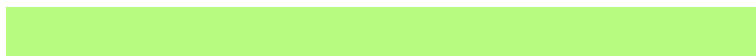
34.4013, 0.1654, 0.3336

Complementary

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



34.4013, 0.2701, 0.1935



80.7663, 0.3380, 0.4688

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.



34.4013, 0.2303, 0.4584



34.4013, 0.2701, 0.1935



34.4013, 0.4191, 0.5066

Square

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



34.4013, 0.2701, 0.1935



34.4013, 0.5220, 0.3647



34.4013, 0.3236, 0.5292



34.4013, 0.1401, 0.2369

Rectangle

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



34.4013, 0.2701, 0.1935



34.4013, 0.4504, 0.2743



34.4013, 0.3236, 0.5292



34.4013, 0.1827, 0.3751

Sweetspot

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



34.4027, 0.2701, 0.1935



74.8501, 0.3025, 0.2904



46.7254, 0.2333, 0.2476



15.3492, 0.3008, 0.2846



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.



34.4027, 0.2701, 0.1935



28.4837, 0.2590, 0.1672



42.9238, 0.3218, 0.2145



17.1126, 0.3065, 0.3051



6.5791, 0.2121, 0.0942



0.6723, 0.2243, 0.1009

Inverse Universe

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



39.6757, 0.3855, 0.2717



34.8451, 0.4076, 0.2624



75.3503, 0.3036, 0.4788



17.3554, 0.3223, 0.3183



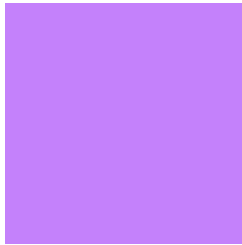
11.4383, 0.5170, 0.2621



1.0804, 0.4877, 0.2460

Previews

White Background



This preview shows how the Yxy color 34.4013, 0.2701, 0.1935 looks on a white background.

Color Contrast Check

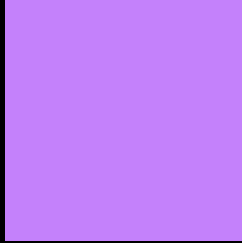
Large Text (above 18pt) WCAG AA × Fail

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 34.4013, 0.2701, 0.1935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

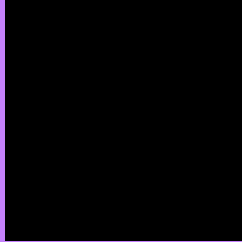
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4013, 0.2701, 0.1935

Background



This preview shows how black text looks on a background with the Yxy color 34.4013, 0.2701, 0.1935.



This preview shows how white text looks on a background with the Yxy color 34.4013, 0.2701, 0.1935.

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

34.4013, 0.2701, 0.1935

Protanopia

34.9189, 0.2185, 0.2032

Deuteranopia

34.6237, 0.2208, 0.2144



Tritanopia

34.2451, 0.3329, 0.3125

Trichromacy



Original Color

34.4013, 0.2701, 0.1935



Protanomaly

33.9166, 0.2333, 0.1968



Deuteranomaly

33.5121, 0.2352, 0.2035



Tritanomaly

33.6801, 0.3079, 0.2615

Monochromacy



Original Color

34.4013, 0.2701, 0.1935



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

35.1873, 0.2965, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4013, 0.2701, 0.1935 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(196, 129, 251)` looks like.

```
.text, #text, p{  
    color:rgb(196, 129, 251)  
}
```

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(196, 129, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 129, 251) }
```

Border

The CSS property to change the border of an element to Yxy 34.4013, 0.2701, 0.1935 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(196, 129, 251) }
```

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

```
.border{ border-color:rgb(196, 129, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 129, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 129, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 129, 251);  
box-shadow:4px 4px 4px 4px rgb(196, 129,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4013, 0.2701, 0.1935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 129, 251) }
```

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

```
.background{ background-color: rgb(196,  
129, 251) }
```

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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