

Converting Colors

$Y_{xy}(34.7155, 0.2761, 0.1932)$

Have a look what the booklet for
Yxy(34.7155, 0.2761, 0.1932)
contains.

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Color

Yxy(34.5833, 0.2759, 0.1928)

Conversions

Conversions Part 1

Format	Color
Hex	CB7EFB
RGB	203, 126, 251
RGB Percent	80%, 49%, 98%
CMY	0.2041, 0.5057, 0.0158
CMYK	0.19, 0.50, 0.00, 0.02
HSL	277°, 94%, 74%
HSV	277°, 50%, 98%
XYZ	49.4893, 34.5833, 95.3014
YIQ	163.2730, 5.7670, 55.1990

Conversions

Conversions Part 2

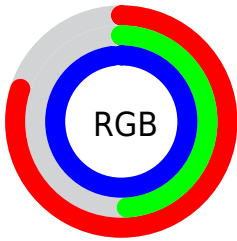
Format	Color
R _Y B	203, 126, 251
Decimal	13336315
CIE Lab	65.42, 51.29, -50.93
CIE LCh	65, 72.278, 315.201
Yxy	34.5833, 0.2759, 0.1928
Android (android.graphics.Color)	4291526395 (0xFFCB7EFB)
YUV	163.2730, 43.2494, 34.8406
Hunter-Lab	58.8076, 47.3027, -54.9179

Details

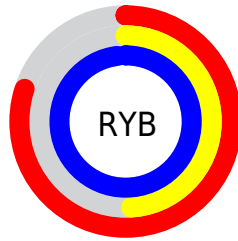
The Yxy color **34.5833, 0.2759, 0.1928** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **79.4801, 0.3329, 0.4749**, and the grayscale version is **36.5536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **14.9036, 0.2625, 0.1627** is the 20% darker color. If you saturate the color by 10%, you get **27.6379, 0.2658, 0.1665**, and if you desaturate by 10%, it is **43.2253, 0.2853, 0.2209**.

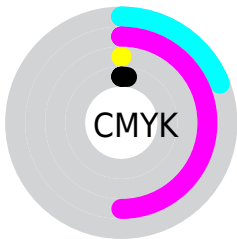
Distribution



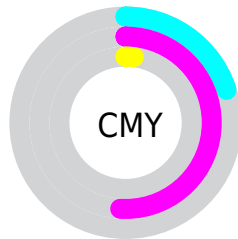
- Red (80%)
- Green (49%)
- Blue (98%)



- Red (80%)
- Yellow (49%)
- Blue (98%)



- Cyan (19%)
- Magenta (50%)
- Yellow (0%)
- Black (2%)





- Cyan (20%)
- Magenta (51%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5833, 0.2759, 0.1928 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 34.5833, 0.2759, 0.1928 by changing the saturation by 10% instead.


 34.5833, 0.2759,
0.1928


 34.5833, 0.2759,
0.1928


322.7252, 0.2968,
0.2553


 23.3421, 0.2702,
0.1791


 66.8397, 0.2839,
0.2141

 14.8463, 0.2628,
0.1625


 88.6237, 0.2868,
0.2226

 8.7116, 0.2527,
0.1424


 114.6907, 0.2892,
0.2299

 4.5535, 0.2385,
0.1176

145.4252, 0.2912,
0.2362

 1.9878, 0.2177,
0.0874

181.2115, 0.2929,
0.2419

 0.6004, 0.1864,
0.0497

222.4340, 0.2944,


 0.0000, 0.1385,


0.2469

0.0000


269.4771, 0.2957,
0.2513

 0.0000, 0.0000,
0.0000


 34.5833, 0.2759,
0.1928


 34.5833, 0.2759,
0.1928


 27.6379, 0.2658,
0.1665


 43.2253, 0.2853,
0.2209


 22.2606, 0.2553,
0.1433


 53.6713, 0.2937,
0.2495


 18.3111, 0.2448,
0.1244

 66.0243, 0.3011,
0.2776

 15.6206, 0.2347,
0.1106

 80.3784, 0.3075,
0.3044

 13.9188, 0.2253,
0.1015

 96.8214, 0.3128,
0.3295

■ 13.8857, 0.2251,
0.1013

■ 99.7426, 0.3150,
0.3329

Harmonies

Analogous

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



34.5833, 0.1931, 0.1735



34.5833, 0.2759, 0.1928



34.5833, 0.3887, 0.2372

Triad

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



34.5833, 0.2759, 0.1928



34.5833, 0.4934, 0.4452



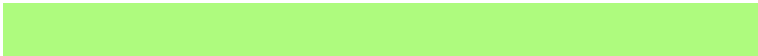
34.5833, 0.1587, 0.3246

Complementary

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



34.5833, 0.2759, 0.1928



79.4801, 0.3329, 0.4749

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.



34.5833, 0.2218, 0.4542



34.5833, 0.2759, 0.1928



34.5833, 0.4141, 0.5146

Square

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



34.5833, 0.2759, 0.1928



34.5833, 0.5275, 0.3696



34.5833, 0.3158, 0.5338



34.5833, 0.1360, 0.2291

Rectangle

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



34.5833, 0.2759, 0.1928



34.5833, 0.4612, 0.2773



34.5833, 0.3158, 0.5338



34.5833, 0.1751, 0.3668

Sweetspot

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



34.5847, 0.2759, 0.1928



75.2954, 0.3043, 0.2906



42.4538, 0.2292, 0.2342



15.4566, 0.3029, 0.2849



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.



34.5847, 0.2759, 0.1928



28.4875, 0.2655, 0.1658



41.6334, 0.3296, 0.2187



17.1722, 0.3076, 0.3052



7.3878, 0.2266, 0.1022



0.7452, 0.2377, 0.1083

Inverse Universe

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



38.4900, 0.3978, 0.2790



33.3283, 0.4260, 0.2709



75.2590, 0.2997, 0.4726



17.3356, 0.3233, 0.3199



11.2549, 0.5446, 0.2774



1.0624, 0.5124, 0.2597

Previews

White Background



This preview shows how the Yxy color 34.5833, 0.2759, 0.1928 looks on a white background.

Color Contrast Check

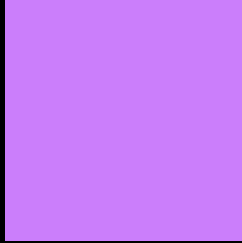
Large Text (above 18pt) WCAG AA × Fail

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 34.5833, 0.2759, 0.1928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

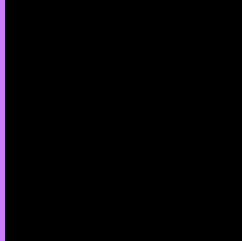
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5833, 0.2759, 0.1928

Background



This preview shows how black text looks on a background with the Yxy color 34.5833, 0.2759, 0.1928.



This preview shows how white text looks on a background with the Yxy color 34.5833, 0.2759, 0.1928.

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

34.5833, 0.2759, 0.1928

Protanopia

34.9900, 0.2190, 0.2034

Deuteranopia

35.1019, 0.2221, 0.2161



Tritanopia

34.4092, 0.3425, 0.3128

Trichromacy



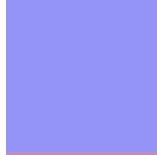
Original Color

34.5833, 0.2759, 0.1928



Protanomaly

33.8906, 0.2351, 0.1963



Deuteranomaly

33.8787, 0.2379, 0.2044



Tritanomaly

33.9439, 0.3159, 0.2615

Monochromacy



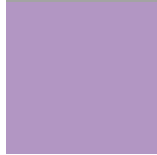
Original Color

34.5833, 0.2759, 0.1928



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

35.2178, 0.2993, 0.2695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5833, 0.2759, 0.1928 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(203, 126, 251)` looks like.

```
.text, #text, p{  
    color:rgb(203, 126, 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(203, 126, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 126, 251) }
```

Border

The CSS property to change the border of an element to Yxy 34.5833, 0.2759, 0.1928 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(203, 126, 251) }
```

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

```
.border{ border-color:rgb(203, 126, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 126, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 126, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 126, 251);  
box-shadow:4px 4px 4px 4px rgb(203, 126,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5833, 0.2759, 0.1928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 126, 251) }
```

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

```
.background{ background-color: rgb(203,  
126, 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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