

Converting Colors

$Y_{xy}(33.6045, 0.2850, 0.2068)$

Have a look what the booklet for
Yxy(33.6045, 0.2850, 0.2068)
contains.

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Color

Yxy(33.5786, 0.2847, 0.2067)

Conversions

Conversions Part 1

Format	Color
Hex	C780EB
RGB	199, 128, 235
RGB Percent	78%, 50%, 92%
CMY	0.2199, 0.4978, 0.0785
CMYK	0.15, 0.46, 0.00, 0.08
HSL	280°, 73%, 71%
HSV	280°, 46%, 92%
XYZ	46.2498, 33.5786, 82.6225
YIQ	161.4270, 7.9690, 48.3290

Conversions

Conversions Part 2

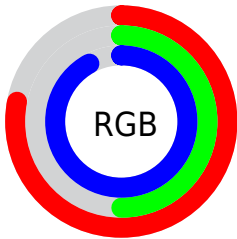
Format	Color
R _Y B	199, 128, 235
Decimal	13074667
CIE Lab	64.63, 45.74, -43.41
CIE LCh	65, 63.063, 316.499
Yxy	33.5786, 0.2847, 0.2067
Android (android.graphics.Color)	4291264747 (0xFFC780EB)
YUV	161.4270, 36.2715, 32.9515
Hunter-Lab	57.9470, 41.0604, -43.9744

Details

The Yxy color **33.5786, 0.2847, 0.2067** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.8662, 0.3285, 0.4623**, and the grayscale version is **35.6763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **14.2632, 0.2737, 0.1771** is the 20% darker color. If you saturate the color by 10%, you get **27.0857, 0.2762, 0.1803**, and if you desaturate by 10%, it is **41.5501, 0.2924, 0.2344**.

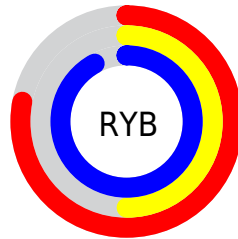
Distribution



Red (78%)

Green (50%)

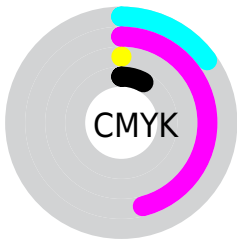
Blue (92%)



Red (78%)

Yellow (50%)

Blue (92%)

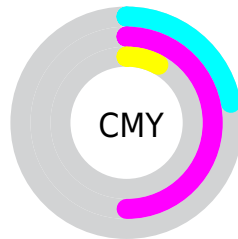


Cyan (15%)

Magenta (46%)

Yellow (0%)

Black (8%)



Cyan (22%)


Magenta (50%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5786, 0.2847, 0.2067 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 33.5786, 0.2847, 0.2067 by changing the saturation by 10% instead.


 33.5786, 0.2847,
0.2067


 33.5786, 0.2847,
0.2067


318.2489, 0.3010,
0.2642


 22.5701, 0.2801,
0.1936


 65.2778, 0.2910,
0.2267

 14.2764, 0.2740,
0.1777


 86.7373, 0.2933,
0.2344

 8.3131, 0.2654,
0.1578


 112.4492, 0.2952,
0.2411

 4.2960, 0.2531,
0.1327

142.7979, 0.2967,
0.2470

 1.8405, 0.2342,
0.1009

178.1678, 0.2980,
0.2521

 0.5122, 0.2046,
0.0565

218.9434, 0.2992,

 0.0000, 0.1469,

0.2566

0.0000

265.5090, 0.3001,
0.2606

■ 0.0000, 0.0000,
0.0000

■ 33.5786, 0.2847,
0.2067

■ 33.5786, 0.2847,
0.2067

■ 27.0857, 0.2762,
0.1803

■ 41.5501, 0.2924,
0.2344

■ 21.9669, 0.2672,
0.1566

■ 51.0865, 0.2993,
0.2623

■ 18.1107, 0.2579,
0.1366


■ 62.2726, 0.3053,
0.2896


■ 15.3854, 0.2488,
0.1213


■ 75.1856, 0.3103,
0.3155

■ 13.6292, 0.2401,
0.1110

■ 89.8978, 0.3145,
0.3396

 13.0400, 0.2363,
0.1075

 97.1929, 0.3190,
0.3487

 98.6598, 0.3240,
0.3484

 98.7768, 0.3244,
0.3483

Harmonies

Analogous

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



33.5786, 0.2076, 0.1879



33.5786, 0.2847, 0.2067



33.5786, 0.3849, 0.2487

Triad

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



33.5786, 0.2847, 0.2067



33.5786, 0.4749, 0.4412



33.5786, 0.1727, 0.3224

Complementary

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



33.5786, 0.2847, 0.2067



68.8662, 0.3285, 0.4623

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.



33.5786, 0.2299, 0.4331



33.5786, 0.2847, 0.2067



33.5786, 0.4040, 0.4982

Square

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



33.5786, 0.2847, 0.2067



33.5786, 0.5045, 0.3729



33.5786, 0.3149, 0.5059



33.5786, 0.1519, 0.2385

Rectangle

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



33.5786, 0.2847, 0.2067



33.5786, 0.4475, 0.2863



33.5786, 0.3149, 0.5059



33.5786, 0.1877, 0.3586

Sweetspot

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



33.5800, 0.2847, 0.2067



77.0879, 0.3060, 0.2934



37.6714, 0.2355, 0.2369



15.8242, 0.3049, 0.2876



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.



33.5800, 0.2847, 0.2067



32.7930, 0.2764, 0.1810



38.2206, 0.3330, 0.2324



15.0447, 0.3084, 0.3054



7.3319, 0.2376, 0.1082



0.6282, 0.2493, 0.1147

Inverse Universe

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



35.7934, 0.3927, 0.2887



36.0745, 0.4200, 0.2812



66.0125, 0.2979, 0.4505



15.1378, 0.3240, 0.3211



10.1672, 0.5623, 0.2871



0.8157, 0.5234, 0.2657

Previews

White Background



This preview shows how the Yxy color 33.5786, 0.2847, 0.2067 looks on a white background.

Color Contrast Check

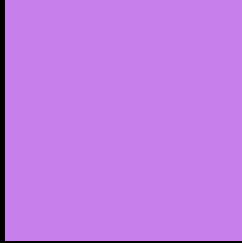
Large Text (above 18pt) WCAG AA × Fail

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 33.5786, 0.2847, 0.2067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

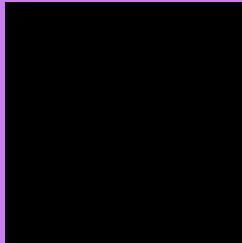
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5786, 0.2847, 0.2067

Background



This preview shows how black text looks on a background with the Yxy color 33.5786, 0.2847, 0.2067.

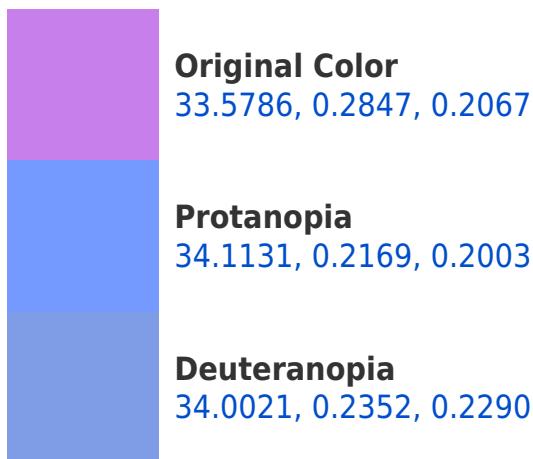


This preview shows how white text looks on a background with the Yxy color 33.5786, 0.2847, 0.2067.

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

33.5569, 0.3450, 0.3141

Trichromacy



Original Color

33.5786, 0.2847, 0.2067



Protanomaly

33.2312, 0.2363, 0.2008



Deuteranomaly

33.1563, 0.2501, 0.2183



Tritanomaly

33.0444, 0.3217, 0.2693

Monochromacy



Original Color

33.5786, 0.2847, 0.2067



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.2397, 0.3026, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5786, 0.2847, 0.2067 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(199, 128, 235)` looks like.

```
.text, #text, p{  
    color:rgb(199, 128, 235)  
}
```

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(199, 128, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 128, 235) }
```

Border

The CSS property to change the border of an element to Yxy 33.5786, 0.2847, 0.2067 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(199, 128, 235) }
```

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

```
.border{ border-color:rgb(199, 128, 235) }
```

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

Here you see how a box with a 4 pixel rgb(199, 128, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 128, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 128, 235);  
box-shadow:4px 4px 4px 4px rgb(199, 128,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5786, 0.2847, 0.2067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 128, 235) }
```

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

```
.background{ background-color: rgb(199,  
128, 235) }
```

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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