

Converting Colors

$Y_{xy}(33.5240, 0.2824, 0.2074)$

Have a look what the booklet for
Yxy(33.5240, 0.2824, 0.2074)
contains.

Yxy(33.4344, 0.2821, 0.2068)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.4344, 0.2821, 0.2068)

Conversions

Conversions Part 1

Format	Color
Hex	C481EB
RGB	196, 129, 235
RGB Percent	77%, 51%, 92%
CMY	0.2314, 0.4941, 0.0785
CMYK	0.17, 0.45, 0.00, 0.08
HSL	278°, 73%, 71%
HSV	278°, 45%, 92%
XYZ	45.6085, 33.4344, 82.6321
YIQ	161.1170, 5.9060, 47.1700

Conversions

Conversions Part 2

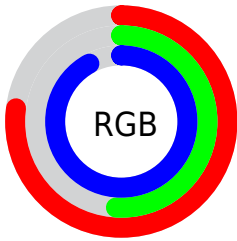
Format	Color
R _Y B	196, 129, 235
Decimal	12878315
CIE Lab	64.51, 44.42, -43.62
CIE LCh	65, 62.251, 315.520
Yxy	33.4344, 0.2821, 0.2068
Android (android.graphics.Color)	4291068395 (0xFFC481EB)
YUV	161.1170, 36.4243, 30.5924
Hunter-Lab	57.8225, 39.6057, -44.2535

Details

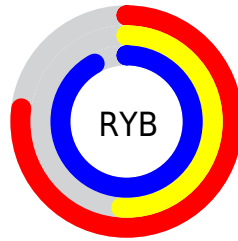
The Yxy color **33.4344, 0.2821, 0.2068** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **69.3143, 0.3306, 0.4601**, and the grayscale version is **35.5245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1578, 0.3153, 0.2583**, and **14.1379, 0.2701, 0.1768** is the 20% darker color. If you saturate the color by 10%, you get **26.8146, 0.2728, 0.1798**, and if you desaturate by 10%, it is **41.5469, 0.2906, 0.2350**.

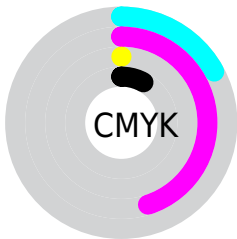
Distribution



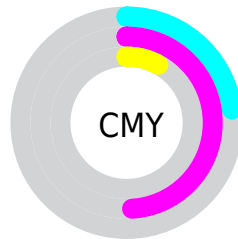
- Red (77%)
- Green (51%)
- Blue (92%)



- Red (77%)
- Yellow (51%)
- Blue (92%)



- Cyan (17%)
- Magenta (45%)
- Yellow (0%)
- Black (8%)



- Cyan (23%)
- Magenta (49%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4344, 0.2821, 0.2068 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 33.4344, 0.2821, 0.2068 by changing the saturation by 10% instead.


 33.4344, 0.2821,
0.2068


 33.4344, 0.2821,
0.2068


317.6026, 0.2997,
0.2644


 22.4594, 0.2772,
0.1937


 65.0531, 0.2889,
0.2268

 14.1949, 0.2707,
0.1777


 86.4657, 0.2913,
0.2346

 8.2563, 0.2617,
0.1577


 112.1263, 0.2934,
0.2413

 4.2594, 0.2487,
0.1326

142.4192, 0.2950,
0.2471

 1.8197, 0.2289,
0.1006

177.7289, 0.2965,
0.2522

 0.4994, 0.1983,
0.0556

218.4398, 0.2977,

 0.0000, 0.1366,

0.2568

0.0000

264.9362, 0.2987,
0.2608

0.0000, 0.0000,
0.0000

33.4344, 0.2821,
0.2068

33.4344, 0.2821,
0.2068

26.8146, 0.2728,
0.1798

41.5469, 0.2906,
0.2350

21.5835, 0.2630,
0.1553

51.2386, 0.2981,
0.2632

17.6296, 0.2529,
0.1346

62.5940, 0.3047,
0.2905

14.8221, 0.2429,
0.1185

75.6906, 0.3102,
0.3165

13.0003, 0.2335,
0.1076

90.6006, 0.3149,
0.3406

■ 12.3447, 0.2291,
0.1036

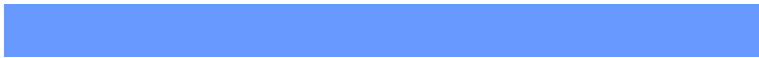
■ 97.4479, 0.3199,
0.3486

■ 98.7771, 0.3244,
0.3483

Harmonies

Analogous

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



33.4344, 0.2067, 0.1890



33.4344, 0.2821, 0.2068



33.4344, 0.3809, 0.2479

Triad

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



33.4344, 0.2821, 0.2068



33.4344, 0.4752, 0.4383



33.4344, 0.1753, 0.3260

Complementary

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



33.4344, 0.2821, 0.2068



69.3143, 0.3306, 0.4601

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.



33.4344, 0.2333, 0.4351



33.4344, 0.2821, 0.2068



33.4344, 0.4061, 0.4952

Square

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



33.4344, 0.2821, 0.2068



33.4344, 0.5025, 0.3706



33.4344, 0.3181, 0.5047



33.4344, 0.1535, 0.2416

Rectangle

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



33.4344, 0.2821, 0.2068



33.4344, 0.4433, 0.2849



33.4344, 0.3181, 0.5047



33.4344, 0.1907, 0.3620

Sweetspot

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



33.4358, 0.2821, 0.2068



76.8938, 0.3053, 0.2933



39.2760, 0.2371, 0.2428



15.7768, 0.3040, 0.2875



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.



33.4358, 0.2821, 0.2068



32.8999, 0.2736, 0.1821



38.6686, 0.3294, 0.2300



15.0208, 0.3079, 0.3054



6.9465, 0.2305, 0.1044



0.5997, 0.2430, 0.1112

Inverse Universe

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



36.1881, 0.3878, 0.2854



36.8778, 0.4118, 0.2776



66.0078, 0.2998, 0.4540



15.1457, 0.3235, 0.3204



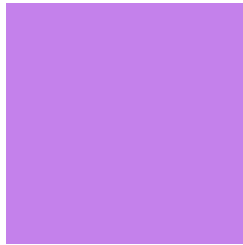
10.2302, 0.5504, 0.2806



0.8213, 0.5124, 0.2597

Previews

White Background



This preview shows how the Yxy color 33.4344, 0.2821, 0.2068 looks on a white background.

Color Contrast Check

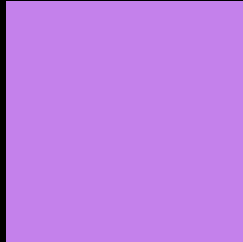
Large Text (above 18pt) WCAG AA × Fail

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 33.4344, 0.2821, 0.2068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

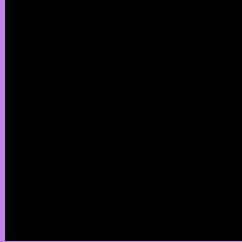
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4344, 0.2821, 0.2068

Background



This preview shows how black text looks on a background with the Yxy color 33.4344, 0.2821, 0.2068.

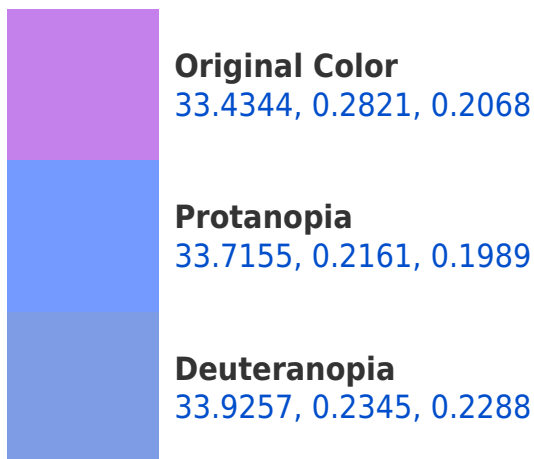


This preview shows how white text looks on a background with the Yxy color 33.4344, 0.2821, 0.2068.

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

33.5264, 0.3406, 0.3139

Trichromacy



Original Color

33.4344, 0.2821, 0.2068



Protanomaly

32.7436, 0.2347, 0.1991



Deuteranomaly

32.9633, 0.2486, 0.2179



Tritanomaly

32.9927, 0.3176, 0.2688

Monochromacy



Original Color

33.4344, 0.2821, 0.2068



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.1244, 0.3016, 0.2761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4344, 0.2821, 0.2068 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(196, 129, 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(196, 129, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 129, 235) }
```

Border

The CSS property to change the border of an element to Yxy 33.4344, 0.2821, 0.2068 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, 235) }
```

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

```
.border{ border-color:rgb(196, 129, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 129, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 129, 235);  
box-shadow:4px 4px 4px 4px rgb(196, 129,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4344, 0.2821, 0.2068 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, 235) }
```

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

```
.background{ background-color: rgb(196,  
129, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor