

Converting Colors

$Y_{xy}(33.2878, 0.2823, 0.2085)$

Have a look what the booklet for
Yxy(33.2878, 0.2823, 0.2085)
contains.

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Color

Yxy(33.4506, 0.2828, 0.2093)

Conversions

Conversions Part 1

Format	Color
Hex	C382E9
RGB	195, 130, 233
RGB Percent	76%, 51%, 91%
CMY	0.2353, 0.4902, 0.0862
CMYK	0.16, 0.44, 0.00, 0.09
HSL	278°, 70%, 71%
HSV	278°, 44%, 91%
XYZ	45.1975, 33.4506, 81.1732
YIQ	161.1770, 5.6770, 45.8130

Conversions

Conversions Part 2

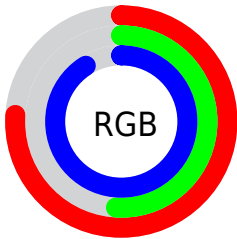
Format	Color
R_{YB}	195, 130, 233
Decimal	12813033
CIE _{Lab}	64.52, 43.18, -42.51
CIE _{LCh}	65, 60.597, 315.446
Yxy	33.4506, 0.2828, 0.2093
Android (android.graphics.Color)	4291003113 (0xFFC382E9)
YUV	161.1770, 35.4087, 29.6628
Hunter-Lab	57.8365, 38.2785, -42.7277

Details

The Yxy color **33.4506, 0.2828, 0.2093** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.2221, 0.3305, 0.4572**, and the grayscale version is **35.5584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3836, 0.3144, 0.2591**, and **14.2553, 0.2711, 0.1808** is the 20% darker color. If you saturate the color by 10%, you get **26.8267, 0.2735, 0.1822**, and if you desaturate by 10%, it is **41.5465, 0.2912, 0.2375**.

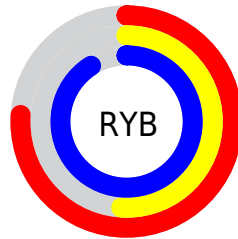
Distribution



Red (76%)

Green (51%)

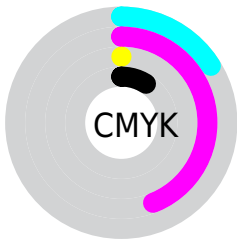
Blue (91%)



Red (76%)

Yellow (51%)

Blue (91%)

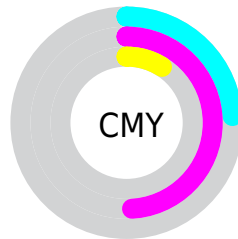


Cyan (16%)

Magenta (44%)

Yellow (0%)

Black (9%)



Cyan (24%)


Magenta (49%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4506, 0.2828, 0.2093 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 33.4506, 0.2828, 0.2093 by changing the saturation by 10% instead.


 33.4506, 0.2828,
0.2093


 33.4506, 0.2828,
0.2093


317.6753, 0.2999,
0.2659


 22.4719, 0.2780,
0.1964


 65.0784, 0.2894,
0.2290

 14.2040, 0.2716,
0.1805


 86.4962, 0.2918,
0.2367

 8.2627, 0.2628,
0.1607

 112.1626, 0.2938,
0.2433

 4.2635, 0.2500,
0.1356

142.4618, 0.2954,
0.2490

 1.8220, 0.2305,
0.1035

177.7782, 0.2968,
0.2540

 0.5008, 0.2001,
0.0578

218.4964, 0.2980,

 0.0000, 0.1359,

0.2584

0.0000

265.0006, 0.2990,
0.2624

0.0000, 0.0000,
0.0000

33.4506, 0.2828,
0.2093

33.4506, 0.2828,
0.2093

26.8267, 0.2735,
0.1822

41.5465, 0.2912,
0.2375

21.5738, 0.2637,
0.1574

51.1984, 0.2987,
0.2657

17.5840, 0.2536,
0.1362

62.4886, 0.3052,
0.2929

14.7311, 0.2436,
0.1197

75.4924, 0.3107,
0.3187

12.8611, 0.2341,
0.1083

90.2803, 0.3153,
0.3426

■ 12.0899, 0.2289,
0.1035

■ 97.1034, 0.3202,
0.3506

■ 98.6638, 0.3256,
0.3503

Harmonies

Analogous

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



33.4506, 0.2090, 0.1919



33.4506, 0.2828, 0.2093



33.4506, 0.3790, 0.2496

Triad

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



33.4506, 0.2828, 0.2093



33.4506, 0.4719, 0.4365



33.4506, 0.1786, 0.3267

Complementary

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



33.4506, 0.2828, 0.2093



68.2221, 0.3305, 0.4572

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.



33.4506, 0.2357, 0.4322



33.4506, 0.2828, 0.2093



33.4506, 0.4048, 0.4912

Square

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



33.4506, 0.2828, 0.2093



33.4506, 0.4978, 0.3703



33.4506, 0.3188, 0.4996



33.4506, 0.1568, 0.2442

Rectangle

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



33.4506, 0.2828, 0.2093



33.4506, 0.4397, 0.2860



33.4506, 0.3188, 0.4996



33.4506, 0.1938, 0.3616

Sweetspot

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



33.4520, 0.2828, 0.2093



78.3963, 0.3059, 0.2960



39.1880, 0.2387, 0.2449



16.0727, 0.3045, 0.2901



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.



33.4520, 0.2828, 0.2093



33.6147, 0.2745, 0.1847



38.5114, 0.3289, 0.2318



15.0199, 0.3079, 0.3054



6.9321, 0.2303, 0.1042



0.5987, 0.2428, 0.1111

Inverse Universe

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



36.1189, 0.3855, 0.2861



37.5485, 0.4088, 0.2782



64.9839, 0.3001, 0.4510



15.1460, 0.3235, 0.3203



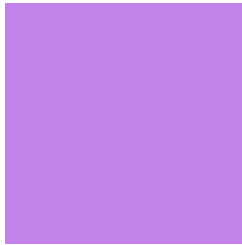
10.2327, 0.5499, 0.2803



0.8215, 0.5120, 0.2594

Previews

White Background



This preview shows how the Yxy color 33.4506, 0.2828, 0.2093 looks on a white background.

Color Contrast Check

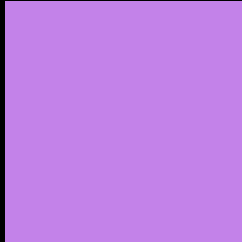
Large Text (above 18pt) WCAG AA × Fail

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 33.4506, 0.2828, 0.2093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

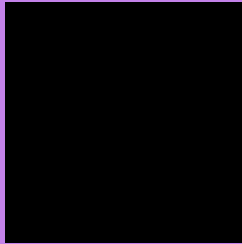
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4506, 0.2828, 0.2093

Background



This preview shows how black text looks on a background with the Yxy color 33.4506, 0.2828, 0.2093.



This preview shows how white text looks on a background with the Yxy color 33.4506, 0.2828, 0.2093.

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

33.4506, 0.2828, 0.2093

Protanopia

33.7259, 0.2180, 0.2010

Deuteranopia

33.5562, 0.2360, 0.2297



Tritanopia

33.4033, 0.3395, 0.3139

Trichromacy



Original Color

33.4506, 0.2828, 0.2093



Protanomaly

33.0156, 0.2367, 0.2024



Deuteranomaly

32.9463, 0.2506, 0.2201



Tritanomaly

33.1173, 0.3175, 0.2711

Monochromacy



Original Color

33.4506, 0.2828, 0.2093



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.2848, 0.3015, 0.2786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4506, 0.2828, 0.2093 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(195, 130, 233)` looks like.

```
.text, #text, p{  
    color:rgb(195, 130, 233)  
}
```

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(195, 130, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 130, 233) }
```

Border

The CSS property to change the border of an element to Yxy 33.4506, 0.2828, 0.2093 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(195, 130, 233) }
```

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

```
.border{ border-color:rgb(195, 130, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 130, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 130, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 130, 233);  
box-shadow:4px 4px 4px 4px rgb(195, 130,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4506, 0.2828, 0.2093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 130, 233) }
```

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

```
.background{ background-color: rgb(195,  
130, 233) }
```

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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