

Converting Colors

$Y_{xy}(33.1858, 0.2829, 0.2083)$

Have a look what the booklet for
Yxy(33.1858, 0.2829, 0.2083)
contains.

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Color

Yxy(33.1858, 0.2828, 0.2082)

Conversions

Conversions Part 1

Format	Color
Hex	C381E9
RGB	195, 129, 233
RGB Percent	76%, 51%, 91%
CMY	0.2351, 0.4942, 0.0862
CMYK	0.16, 0.45, 0.00, 0.09
HSL	278°, 70%, 71%
HSV	278°, 45%, 91%
XYZ	45.0766, 33.1858, 81.1315
YIQ	160.5900, 5.9520, 46.3360

Conversions

Conversions Part 2

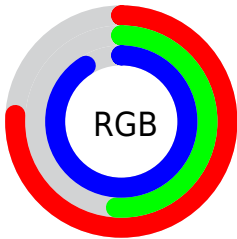
Format	Color
R _Y B	195, 129, 233
Decimal	12812777
CIE _{Lab}	64.31, 43.75, -42.85
CIE _{LCh}	64, 61.239, 315.596
Yxy	33.1858, 0.2828, 0.2082
Android (android.graphics.Color)	4291002857 (0xFFC381E9)
YUV	160.5900, 35.6981, 30.1776
Hunter-Lab	57.6071, 38.8607, -43.1766

Details

The Yxy color **33.1858, 0.2828, 0.2082** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.0783, 0.3303, 0.4587**, and the grayscale version is **35.2711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9696, 0.3145, 0.2582**, and **14.1121, 0.2710, 0.1795** is the 20% darker color. If you saturate the color by 10%, you get **26.6335, 0.2736, 0.1812**, and if you desaturate by 10%, it is **41.2046, 0.2912, 0.2363**.

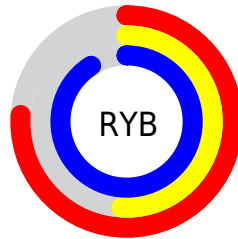
Distribution



Red (76%)

Green (51%)

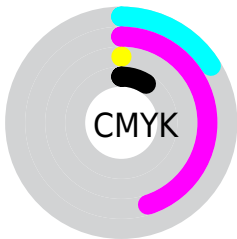
Blue (91%)



Red (76%)

Yellow (51%)

Blue (91%)

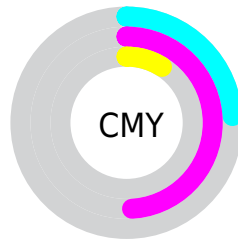


Cyan (16%)

Magenta (45%)

Yellow (0%)

Black (9%)



Cyan (24%)


Magenta (49%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1858, 0.2828, 0.2082 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 33.1858, 0.2828, 0.2082 by changing the saturation by 10% instead.


 33.1858, 0.2828,
0.2082


 33.1858, 0.2828,
0.2082


316.4861, 0.3000,
0.2653

 22.2688, 0.2780,
0.1952


 64.6655, 0.2895,
0.2281

 14.0546, 0.2716,
0.1792


 85.9970, 0.2919,
0.2358

 8.1586, 0.2627,
0.1592

 111.5688, 0.2938,
0.2425

 4.1966, 0.2498,
0.1340

141.7653, 0.2955,
0.2482

 1.7841, 0.2301,
0.1018

176.9709, 0.2969,
0.2533

 0.4773, 0.1996,
0.0553

217.5700, 0.2981,

 0.0000, 0.1340,

0.2578

0.0000

263.9469, 0.2991,
0.2617

0.0000, 0.0000,
0.0000

33.1858, 0.2828,
0.2082

33.1858, 0.2828,
0.2082

26.6335, 0.2736,
0.1812

41.2046, 0.2912,
0.2363

21.4463, 0.2639,
0.1566

50.7743, 0.2986,
0.2645

17.5158, 0.2539,
0.1357


61.9774, 0.3050,
0.2918

14.7147, 0.2440,
0.1195

74.8893, 0.3105,
0.3176


12.8877, 0.2346,
0.1084

89.5808, 0.3151,
0.3416

 12.1809, 0.2299,
0.1040

 97.0083, 0.3199,
0.3506

 98.5814, 0.3253,
0.3503

 98.6641, 0.3256,
0.3503

Harmonies

Analogous

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



33.1858, 0.2081, 0.1905



33.1858, 0.2828, 0.2082



33.1858, 0.3803, 0.2490

Triad

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



33.1858, 0.2828, 0.2082



33.1858, 0.4733, 0.4376



33.1858, 0.1769, 0.3260

Complementary

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



33.1858, 0.2828, 0.2082



68.0783, 0.3303, 0.4587

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.



33.1858, 0.2343, 0.4332



33.1858, 0.2828, 0.2082



33.1858, 0.4051, 0.4933

Square

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



33.1858, 0.2828, 0.2082



33.1858, 0.5001, 0.3707



33.1858, 0.3181, 0.5019



33.1858, 0.1552, 0.2427

Rectangle

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



33.1858, 0.2828, 0.2082



33.1858, 0.4417, 0.2857



33.1858, 0.3181, 0.5019



33.1858, 0.1921, 0.3613

Sweetspot

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



33.1872, 0.2828, 0.2082



78.4210, 0.3059, 0.2960



38.2308, 0.2375, 0.2415



16.0788, 0.3046, 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.



33.1872, 0.2828, 0.2082



32.9585, 0.2740, 0.1822



38.1413, 0.3308, 0.2325



15.0232, 0.3080, 0.3054



6.9832, 0.2312, 0.1047



0.6025, 0.2436, 0.1116

Inverse Universe

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



35.8066, 0.3870, 0.2862



36.8624, 0.4123, 0.2780



64.9299, 0.2990, 0.4501



15.1449, 0.3236, 0.3204



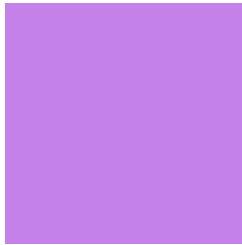
10.2237, 0.5516, 0.2812



0.8207, 0.5135, 0.2603

Previews

White Background



This preview shows how the Yxy color 33.1858, 0.2828, 0.2082 looks on a white background.

Color Contrast Check

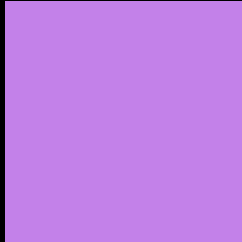
Large Text (above 18pt) WCAG AA × Fail

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 33.1858, 0.2828, 0.2082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

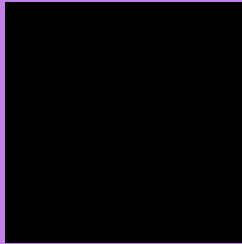
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1858, 0.2828, 0.2082

Background



This preview shows how black text looks on a background with the Yxy color 33.1858, 0.2828, 0.2082.



This preview shows how white text looks on a background with the Yxy color 33.1858, 0.2828, 0.2082.

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

33.1858, 0.2828, 0.2082

Protanopia

33.6512, 0.2166, 0.1997

Deuteranopia

33.4797, 0.2354, 0.2295



Tritanopia

33.0594, 0.3407, 0.3138

Trichromacy



Original Color

33.1858, 0.2828, 0.2082



Protanomaly

32.6201, 0.2358, 0.2009



Deuteranomaly

32.8502, 0.2498, 0.2199



Tritanomaly

32.8237, 0.3175, 0.2698

Monochromacy



Original Color

33.1858, 0.2828, 0.2082



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.9670, 0.3015, 0.2772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1858, 0.2828, 0.2082 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, 129, 233)` looks like.

```
.text, #text, p{  
    color:rgb(195, 129, 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, 129, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 129, 233) }
```

Border

The CSS property to change the border of an element to Yxy 33.1858, 0.2828, 0.2082 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, 129, 233) }
```

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

```
.border{ border-color:rgb(195, 129, 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, 129, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 129, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 129, 233);  
box-shadow:4px 4px 4px 4px rgb(195, 129,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1858, 0.2828, 0.2082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 129, 233) }
```

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

```
.background{ background-color: rgb(195,  
129, 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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