

Converting Colors

$Y_{xy}(33.3153, 0.2808, 0.1820)$

Have a look what the booklet for
Yxy(33.3153, 0.2808, 0.1820)
contains.

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Color

Yxy(33.4008, 0.2811, 0.1823)

Conversions

Conversions Part 1

Format	Color
Hex	D572FF
RGB	213, 114, 255
RGB Percent	84%, 45%, 100%
CMY	0.1647, 0.5529, 0.0001
CMYK	0.16, 0.55, 0.00, 0.00
HSL	282°, 100%, 72%
HSV	282°, 55%, 100%
XYZ	51.5028, 33.4008, 98.3152
YIQ	159.6750, 13.7430, 64.8390

Conversions

Conversions Part 2

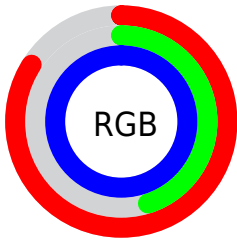
Format	Color
R _Y B	213, 114, 255
Decimal	13988607
CIE Lab	64.48, 60.72, -54.54
CIE LCh	64, 81.618, 318.066
Yxy	33.4008, 0.2811, 0.1823
Android (android.graphics.Color)	4292178687 (0xFFD572FF)
YUV	159.6750, 46.9952, 46.7660
Hunter-Lab	57.7934, 57.9324, -60.4057

Details

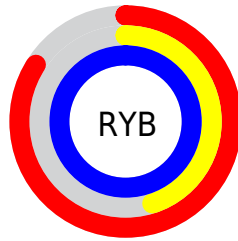
The Yxy color **33.4008, 0.2811, 0.1823** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **79.7838, 0.3264, 0.4960**, and the grayscale version is **34.7742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8559, 0.3167, 0.2450**, and **14.1737, 0.2681, 0.1503** is the 20% darker color. If you saturate the color by 10%, you get **27.3199, 0.2732, 0.1592**, and if you desaturate by 10%, it is **41.1403, 0.2885, 0.2081**.

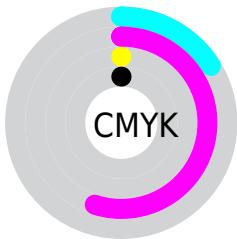
Distribution



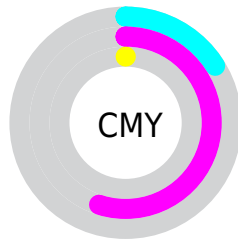
- Red (84%)
- Green (45%)
- Blue (100%)



- Red (84%)
- Yellow (45%)
- Blue (100%)



- Cyan (16%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4008, 0.2811, 0.1823 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 33.4008, 0.2811, 0.1823 by changing the saturation by 10% instead.


 33.4008, 0.2811,
0.1823


 33.4008, 0.2811,
0.1823


317.4519, 0.3000,
0.2487


 22.4337, 0.2758,
0.1680


 65.0008, 0.2885,
0.2048

 14.1759, 0.2687,
0.1509


 86.4024, 0.2911,
0.2137

 8.2431, 0.2591,
0.1303


 112.0510, 0.2933,
0.2214

 4.2509, 0.2455,
0.1054

142.3309, 0.2951,
0.2283

 1.8149, 0.2253,
0.0759

177.6265, 0.2966,
0.2343

 0.4964, 0.1952,
0.0385

218.3223, 0.2979,


 0.0000, 0.1477,

0.2396


0.0000


264.8027, 0.2990,
0.2444


 0.0000, 0.0000,
0.0000


 33.4008, 0.2811,
0.1823

 33.4008, 0.2811,
0.1823


 27.3199, 0.2732,
0.1592


 41.1403, 0.2885,
0.2081


 22.7558, 0.2650,
0.1400


 50.6561, 0.2953,
0.2354


 19.5495, 0.2568,
0.1255

 62.0599, 0.3013,
0.2630

 17.5032, 0.2490,
0.1158

 75.4526, 0.3064,
0.2901

 16.8071, 0.2454,
0.1125

 90.9283, 0.3107,
0.3160

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



33.4008, 0.1863, 0.1587



33.4008, 0.2811, 0.1823



33.4008, 0.4109, 0.2322

Triad

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



33.4008, 0.2811, 0.1823



33.4008, 0.5029, 0.4589



33.4008, 0.1371, 0.3082

Complementary

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



33.4008, 0.2811, 0.1823



79.7838, 0.3264, 0.4960

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.



33.4008, 0.1997, 0.4605



33.4008, 0.2811, 0.1823



33.4008, 0.4092, 0.5404

Square

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



33.4008, 0.2811, 0.1823



33.4008, 0.5524, 0.3750



33.4008, 0.3003, 0.5627



33.4008, 0.1184, 0.2082

Rectangle

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



33.4008, 0.2811, 0.1823



33.4008, 0.4918, 0.2761



33.4008, 0.3003, 0.5627



33.4008, 0.1526, 0.3558

Sweetspot

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



33.4022, 0.2811, 0.1823



73.0255, 0.3056, 0.2855



34.6754, 0.2160, 0.2029



15.0345, 0.3046, 0.2801



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.



33.4022, 0.2811, 0.1823



26.9503, 0.2726, 0.1577



38.8268, 0.3457, 0.2197



18.0129, 0.3090, 0.3052



8.8655, 0.2466, 0.1132



0.9199, 0.2553, 0.1180

Inverse Universe

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



35.6929, 0.4278, 0.2868



29.8288, 0.4647, 0.2821



77.0393, 0.2926, 0.4736



18.0761, 0.3247, 0.3219



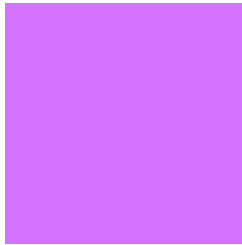
11.4037, 0.5776, 0.2956



1.1286, 0.5456, 0.2779

Previews

White Background



This preview shows how the Yxy color 33.4008, 0.2811, 0.1823 looks on a white background.

Color Contrast Check

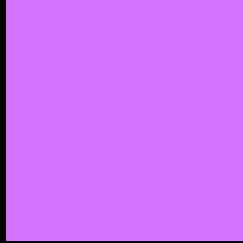
Large Text (above 18pt) WCAG AA × Fail

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 33.4008, 0.2811, 0.1823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

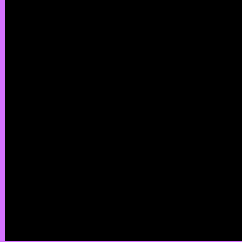
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4008, 0.2811, 0.1823

Background



This preview shows how black text looks on a background with the Yxy color 33.4008, 0.2811, 0.1823.



This preview shows how white text looks on a background with the Yxy color 33.4008, 0.2811, 0.1823.

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

33.4008, 0.2811, 0.1823

Protanopia

33.6473, 0.2156, 0.1987

Deuteranopia

33.9551, 0.2161, 0.2102



Tritanopia

33.1871, 0.3623, 0.3146

Trichromacy



Original Color

33.4008, 0.2811, 0.1823



Protanomaly

32.2645, 0.2341, 0.1886



Deuteranomaly

32.0629, 0.2337, 0.1940



Tritanomaly

32.6032, 0.3308, 0.2572

Monochromacy



Original Color

33.4008, 0.2811, 0.1823



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.1688, 0.3002, 0.2603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4008, 0.2811, 0.1823 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(213, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 114, 255)  
}
```

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(213, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 114, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.4008, 0.2811, 0.1823 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(213, 114, 255) }
```

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

```
.border{ border-color:rgb(213, 114, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 114,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4008, 0.2811, 0.1823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 114, 255) }
```

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

```
.background{ background-color: rgb(213,  
114, 255) }
```

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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