

Converting Colors

$Y_{xy}(40.4673, 0.2319, 0.1337)$

Have a look what the booklet for
Yxy(40.4673, 0.2319, 0.1337)
contains.

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Color

Yxy(33.3406, 0.2845, 0.1812)

Conversions

Conversions Part 1

Format	Color
Hex	D96FFF
RGB	217, 111, 255
RGB Percent	85%, 44%, 100%
CMY	0.1491, 0.5646, 0.0000
CMYK	0.15, 0.56, 0.00, 0.00
HSL	284°, 100%, 72%
HSV	284°, 56%, 100%
XYZ	52.3477, 33.3406, 98.3106
YIQ	159.1100, 16.9520, 67.2560

Conversions

Conversions Part 2

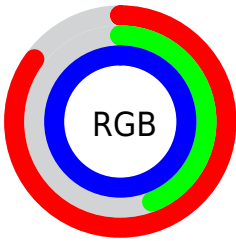
Format	Color
R_{YB}	217, 111, 255
Decimal	14249983
CIE _{Lab}	64.44, 63.14, -54.62
CIE _{LCh}	64, 83.490, 319.138
Yxy	33.3406, 0.2845, 0.1812
Android (android.graphics.Color)	4292440063 (0xFFD96FFF)
YUV	159.1100, 47.2738, 50.7695
Hunter-Lab	57.7413, 60.7790, -60.5285

Details

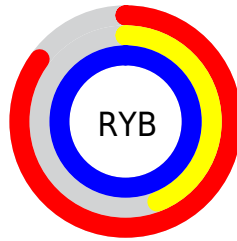
The Yxy color $33.3406, 0.2845, 0.1812$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $79.0613, 0.3236, 0.5013$, and the grayscale version is $34.4980, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.1174, 0.3167, 0.2431$, and $14.1805, 0.2726, 0.1495$ is the 20% darker color. If you saturate the color by 10%, you get $27.5353, 0.2775, 0.1592$, and if you desaturate by 10%, it is $40.7745, 0.2911, 0.2061$.

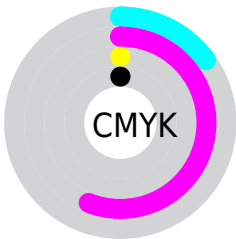
Distribution



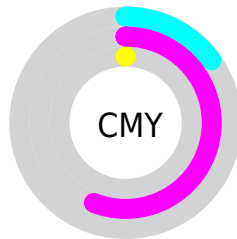
- Red (85%)
- Green (44%)
- Blue (100%)



- Red (85%)
- Yellow (44%)
- Blue (100%)



- Cyan (15%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3406, 0.2845, 0.1812 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 33.3406, 0.2845, 0.1812 by changing the saturation by 10% instead.


 33.3406, 0.2845,
0.1812


 33.3406, 0.2845,
0.1812


317.1817, 0.3018,
0.2479


 22.3875, 0.2795,
0.1669


 64.9069, 0.2913,
0.2037

 14.1419, 0.2729,
0.1497


 86.2889, 0.2938,
0.2127

 8.2194, 0.2638,
0.1292


 111.9160, 0.2957,
0.2205

 4.2357, 0.2508,
0.1044

142.1726, 0.2974,
0.2273

 1.8063, 0.2315,
0.0749

177.4431, 0.2988,
0.2334

 0.4911, 0.2024,
0.0378

218.1118, 0.2999,

 0.0000, 0.1557,


0.2388


0.0000

264.5632, 0.3009,
0.2436


 0.0000, 0.0000,
0.0000


 33.3406, 0.2845,
0.1812


 33.3406, 0.2845,
0.1812


 27.5353, 0.2775,
0.1592

 40.7745, 0.2911,
0.2061


 23.2210, 0.2703,
0.1412

 49.9622, 0.2971,
0.2328


 20.2333, 0.2630,
0.1279

 61.0145, 0.3023,
0.2601

 18.3677, 0.2561,
0.1194

 74.0332, 0.3068,
0.2871

 17.8679, 0.2537,
0.1171

 89.1127, 0.3106,
0.3130

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



33.3406, 0.1866, 0.1563



33.3406, 0.2845, 0.1812



33.3406, 0.4179, 0.2326

Triad

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



33.3406, 0.2845, 0.1812



33.3406, 0.5027, 0.4629



33.3406, 0.1325, 0.3024

Complementary

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



33.3406, 0.2845, 0.1812



79.0613, 0.3236, 0.5013

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.



33.3406, 0.1939, 0.4584



33.3406, 0.2845, 0.1812



33.3406, 0.4058, 0.5465

Square

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



33.3406, 0.2845, 0.1812



33.3406, 0.5563, 0.3773



33.3406, 0.2950, 0.5674



33.3406, 0.1154, 0.2031

Rectangle

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



33.3406, 0.2845, 0.1812



33.3406, 0.4996, 0.2772



33.3406, 0.2950, 0.5674



33.3406, 0.1476, 0.3505

Sweetspot

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



33.3399, 0.2845, 0.1812



73.2852, 0.3066, 0.2857



32.2255, 0.2126, 0.1934



15.0962, 0.3057, 0.2803



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.



33.3399, 0.2845, 0.1812



26.7799, 0.2764, 0.1562



37.8740, 0.3516, 0.2218



18.0449, 0.3095, 0.3053



9.4128, 0.2548, 0.1177



0.9696, 0.2626, 0.1220

Inverse Universe

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



34.8032, 0.4379, 0.2911



28.7770, 0.4804, 0.2875



76.9328, 0.2902, 0.4711



18.0658, 0.3253, 0.3227



11.3435, 0.5891, 0.3019



1.1216, 0.5573, 0.2844

Previews

White Background



This preview shows how the Yxy color 33.3406, 0.2845, 0.1812 looks on a white background.

Color Contrast Check

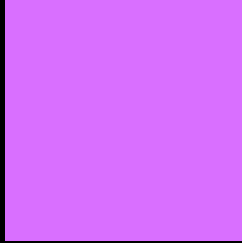
Large Text (above 18pt) WCAG AA × Fail

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 33.3406, 0.2845, 0.1812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

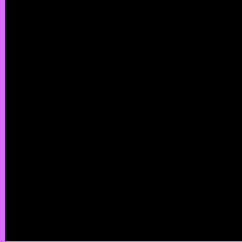
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3406, 0.2845, 0.1812

Background



This preview shows how black text looks on a background with the Yxy color 33.3406, 0.2845, 0.1812.



This preview shows how white text looks on a background with the Yxy color 33.3406, 0.2845, 0.1812.

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

33.3406, 0.2845, 0.1812

Protanopia

33.6473, 0.2156, 0.1987

Deuteranopia

33.5566, 0.2162, 0.2097



Tritanopia

33.2238, 0.3705, 0.3148

Trichromacy



Original Color

33.3406, 0.2845, 0.1812



Protanomaly

32.0724, 0.2346, 0.1877



Deuteranomaly

31.7988, 0.2348, 0.1938



Tritanomaly

32.5968, 0.3362, 0.2569

Monochromacy



Original Color

33.3406, 0.2845, 0.1812



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.9443, 0.3021, 0.2603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3406, 0.2845, 0.1812 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(217, 111, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 111, 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(217, 111, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 111, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.3406, 0.2845, 0.1812 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(217, 111, 255) }
```

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

```
.border{ border-color:rgb(217, 111, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 111, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 111, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 111, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 111,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3406, 0.2845, 0.1812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 111, 255) }
```

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

```
.background{ background-color: rgb(217,  
111, 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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