

Converting Colors

$Y_{xy}(33.3715, 0.2870, 0.1842)$

Have a look what the booklet for
Yxy(33.3715, 0.2870, 0.1842)
contains.

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Color

Yxy(33.3683, 0.2870, 0.1842)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D970FC |
| RGB | 217, 112, 252 |
| RGB Percent | 85%, 44%, 99% |
| CMY | 0.1488, 0.5609, 0.0118 |
| CMYK | 0.14, 0.56, 0.00, 0.01 |
| HSL | 285°, 96%, 71% |
| HSV | 285°, 56%, 99% |
| XYZ | 51.9908, 33.3683, 95.7935 |
| YIQ | 159.3550, 17.6400, 65.8000 |

Conversions

Conversions Part 2

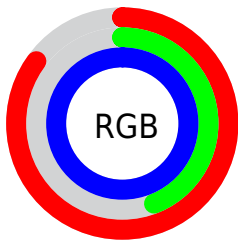
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 217, 112, 252 |
| Decimal | 14250236 |
| CIE Lab | 64.46, 62.11, -52.92 |
| CIE LCh | 64, 81.600, 319.569 |
| Yxy | 33.3683, 0.2870, 0.1842 |
| Android (android.graphics.Color) | 4292440316 (0xFFD970FC) |
| YUV | 159.3550, 45.6740, 50.5547 |
| Hunter-Lab | 57.7653, 59.5669, -57.8862 |

Details

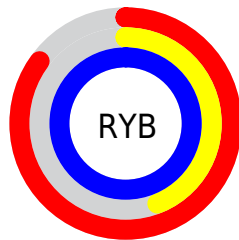
The Yxy color **33.3683, 0.2870, 0.1842** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **76.9838, 0.3224, 0.4989**, and the grayscale version is **34.6214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4853, 0.3167, 0.2441**, and **14.1394, 0.2757, 0.1525** is the 20% darker color. If you saturate the color by 10%, you get **27.6214, 0.2804, 0.1622**, and if you desaturate by 10%, it is **40.7101, 0.2931, 0.2091**.

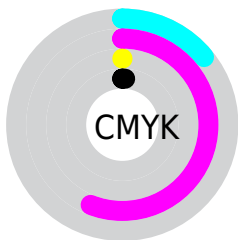
Distribution



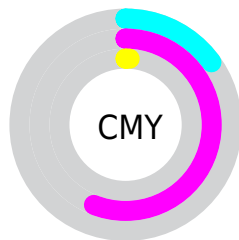
- Red (85%)
- Green (44%)
- Blue (99%)



- Red (85%)
- Yellow (44%)
- Blue (99%)



- Cyan (14%)
- Magenta (56%)
- Yellow (0%)
- Black (1%)




- Cyan (15%)
- Magenta (56%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3683, 0.2870, 0.1842 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 33.3683, 0.2870, 0.1842 by changing the saturation by 10% instead.


 33.3683, 0.2870,
0.1842


 33.3683, 0.2870,
0.1842


317.3061, 0.3030,
0.2499


 22.4087, 0.2824,
0.1700


 64.9501, 0.2934,
0.2064

 14.1575, 0.2761,
0.1530


 86.3411, 0.2956,
0.2153

 8.2303, 0.2675,
0.1325


 111.9781, 0.2974,
0.2230

 4.2427, 0.2551,
0.1076

142.2455, 0.2989,
0.2297

 1.8102, 0.2364,
0.0778

177.5275, 0.3002,
0.2356

 0.4935, 0.2080,
0.0398

218.2087, 0.3013,

 0.0000, 0.1615,

0.2409

0.0000

264.6734, 0.3022,
0.2456

■ 0.0000, 0.0000,
0.0000

■ 33.3683, 0.2870,
0.1842

■ 33.3683, 0.2870,
0.1842

■ 27.6214, 0.2804,
0.1622

■ 40.7101, 0.2931,
0.2091

■ 23.3314, 0.2736,
0.1441

■ 49.7612, 0.2986,
0.2356

■ 20.3435, 0.2668,
0.1306

■ 60.6300, 0.3035,
0.2627

■ 18.4644, 0.2602,
0.1219

■ 73.4148, 0.3076,
0.2895

■ 17.8609, 0.2573,
0.1191

■ 88.2067, 0.3111,
0.3153

99.7675, 0.3143,
0.3319

99.8081, 0.3144,
0.3319

Harmonies

Analogous

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



33.3683, 0.1900, 0.1592



33.3683, 0.2870, 0.1842



33.3683, 0.4176, 0.2353

Triad

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



33.3683, 0.2870, 0.1842



33.3683, 0.4990, 0.4632



33.3683, 0.1351, 0.3016

Complementary

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



33.3683, 0.2870, 0.1842



76.9838, 0.3224, 0.4989

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.



33.3683, 0.1954, 0.4529



33.3683, 0.2870, 0.1842



33.3683, 0.4039, 0.5436

Square

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



33.3683, 0.2870, 0.1842



33.3683, 0.5515, 0.3790



33.3683, 0.2948, 0.5607



33.3683, 0.1185, 0.2048

Rectangle

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



33.3683, 0.2870, 0.1842



33.3683, 0.4969, 0.2796



33.3683, 0.2948, 0.5607



33.3683, 0.1500, 0.3483

Sweetspot

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



33.3697, 0.2870, 0.1842



73.3978, 0.3070, 0.2857



31.3313, 0.2136, 0.1930



15.1229, 0.3062, 0.2804



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.



33.3697, 0.2870, 0.1842



27.6350, 0.2795, 0.1593



37.2861, 0.3532, 0.2253



17.2937, 0.3098, 0.3053



9.3773, 0.2584, 0.1197



0.9182, 0.2662, 0.1240

Inverse Universe

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



34.3808, 0.4373, 0.2936



29.1507, 0.4801, 0.2901



75.1680, 0.2894, 0.4653



17.2963, 0.3255, 0.3231



10.9865, 0.5935, 0.3043



1.0337, 0.5604, 0.2861

Previews

White Background



This preview shows how the Yxy color 33.3683, 0.2870, 0.1842 looks on a white background.

Color Contrast Check

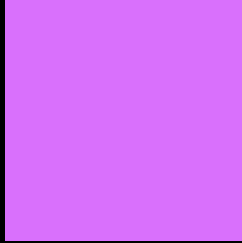
Large Text (above 18pt) WCAG AA × Fail

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 33.3683, 0.2870, 0.1842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

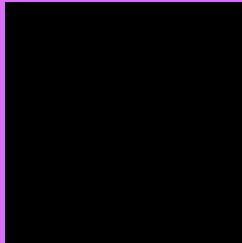
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3683, 0.2870, 0.1842

Background



This preview shows how black text looks on a background with the Yxy color 33.3683, 0.2870, 0.1842.



This preview shows how white text looks on a background with the Yxy color 33.3683, 0.2870, 0.1842.

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

33.3683, 0.2870, 0.1842

Protanopia

33.6473, 0.2156, 0.1987

Deuteranopia

33.6881, 0.2191, 0.2123



Tritanopia

33.1917, 0.3716, 0.3161

Trichromacy



Original Color

33.3683, 0.2870, 0.1842



Protanomaly

32.0081, 0.2352, 0.1885



Deuteranomaly

31.9556, 0.2380, 0.1963



Tritanomaly

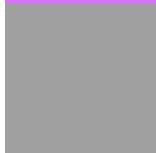
32.5111, 0.3383, 0.2592

Monochromacy



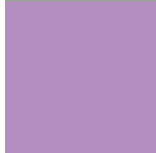
Original Color

33.3683, 0.2870, 0.1842



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.8996, 0.3030, 0.2615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3683, 0.2870, 0.1842 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, 112, 252)` looks like.

```
.text, #text, p{  
    color:rgb(217, 112, 252)  
}
```

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, 112, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 112, 252) }
```

Border

The CSS property to change the border of an element to Yxy 33.3683, 0.2870, 0.1842 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, 112, 252) }
```

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

```
.border{ border-color:rgb(217, 112, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 112, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 112, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 112, 252);  
box-shadow:4px 4px 4px 4px rgb(217, 112,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3683, 0.2870, 0.1842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 112, 252) }
```

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

```
.background{ background-color: rgb(217,  
112, 252) }
```

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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