

Converting Colors

$Y_{xy}(33.1615, 0.2940, 0.1902)$

Have a look what the booklet for
Yxy(33.1615, 0.2940, 0.1902)
contains.

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Color

Yxy(33.0863, 0.2936, 0.1898)

Conversions

Conversions Part 1

Format	Color
Hex	DA70F5
RGB	218, 112, 245
RGB Percent	85%, 44%, 96%
CMY	0.1452, 0.5607, 0.0393
CMYK	0.11, 0.54, 0.00, 0.04
HSL	288°, 87%, 70%
HSV	288°, 54%, 96%
XYZ	51.1809, 33.0863, 90.0547
YIQ	158.8560, 20.4830, 63.8350

Conversions

Conversions Part 2

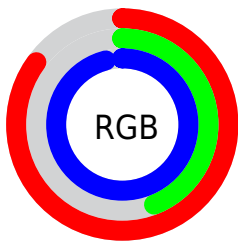
Format	Color
R _{YB}	218, 112, 245
Decimal	14315765
CIE _{Lab}	64.23, 60.96, -49.41
CIE _{LCh}	64, 78.466, 320.975
Y _{xy}	33.0863, 0.2936, 0.1898
Android (android.graphics.Color)	4292505845 (0xFFDA70F5)
YUV	158.8560, 42.4690, 51.8693
Hunter-Lab	57.5207, 58.1650, -52.5603

Details

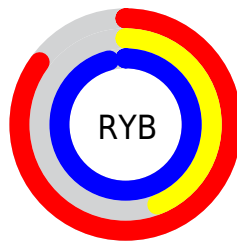
The Yxy color **33.0863, 0.2936, 0.1898** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **71.9513, 0.3189, 0.4963**, and the grayscale version is **34.4004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4853, 0.3167, 0.2441**, and **13.9328, 0.2844, 0.1586** is the 20% darker color. If you saturate the color by 10%, you get **27.6405, 0.2885, 0.1683**, and if you desaturate by 10%, it is **40.0282, 0.2983, 0.2141**.

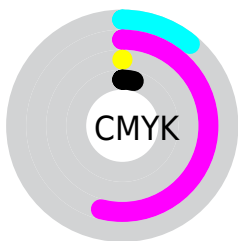
Distribution



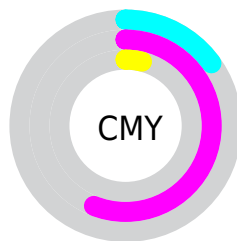
- Red (85%)
- Green (44%)
- Blue (96%)



- Red (85%)
- Yellow (44%)
- Blue (96%)



- Cyan (11%)
- Magenta (54%)
- Yellow (0%)
- Black (4%)




- Cyan (15%)
- Magenta (56%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0863, 0.2936, 0.1898 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 33.0863, 0.2936, 0.1898 by changing the saturation by 10% instead.


 33.0863, 0.2936,
0.1898


 33.0863, 0.2936,
0.1898


316.0384, 0.3062,
0.2535

 22.1926, 0.2898,
0.1758


 64.5102, 0.2987,
0.2115

 13.9985, 0.2845,
0.1590


 85.8092, 0.3005,
0.2201

 8.1196, 0.2772,
0.1385

 111.3454, 0.3019,
0.2276

 4.1716, 0.2663,
0.1135

141.5033, 0.3031,
0.2341

 1.7700, 0.2494,
0.0830

176.6671, 0.3041,
0.2398

 0.4684, 0.2230,
0.0422

217.2213, 0.3049,

 0.0000, 0.1769,

0.2449

0.0000

263.5503, 0.3056,
0.2495

 0.0000, 0.0000,
0.0000

 33.0863, 0.2936,
0.1898


 33.0863, 0.2936,
0.1898


 27.6405, 0.2885,
0.1683


 40.0282, 0.2983,
0.2141

 23.5640, 0.2831,
0.1506


 48.5709, 0.3025,
0.2401


 20.7162, 0.2776,
0.1375

 58.8142, 0.3062,
0.2668

 18.9231, 0.2721,
0.1289

 70.8487, 0.3093,
0.2931

 18.2241, 0.2691,
0.1256

 84.7586, 0.3118,
0.3186

98.0357, 0.3140,
0.3387

98.9562, 0.3171,
0.3386

99.3711, 0.3185,
0.3386

Harmonies

Analogous

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



33.0863, 0.1970, 0.1640



33.0863, 0.2936, 0.1898



33.0863, 0.4201, 0.2410

Triad

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



33.0863, 0.2936, 0.1898



33.0863, 0.4914, 0.4655



33.0863, 0.1384, 0.2975

Complementary

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



33.0863, 0.2936, 0.1898



71.9513, 0.3189, 0.4963

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.



33.0863, 0.1958, 0.4411



33.0863, 0.2936, 0.1898



33.0863, 0.3984, 0.5404

Square

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



33.0863, 0.2936, 0.1898



33.0863, 0.5437, 0.3832



33.0863, 0.2918, 0.5493



33.0863, 0.1233, 0.2060

Rectangle

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



33.0863, 0.2936, 0.1898



33.0863, 0.4950, 0.2849



33.0863, 0.2918, 0.5493



33.0863, 0.1525, 0.3416

Sweetspot

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



33.0877, 0.2936, 0.1898



75.1369, 0.3088, 0.2885



29.0381, 0.2150, 0.1911



15.4808, 0.3081, 0.2831



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.



33.0877, 0.2936, 0.1898



29.8326, 0.2880, 0.1666



35.5224, 0.3567, 0.2315



16.5885, 0.3105, 0.3054



9.8803, 0.2700, 0.1261



0.9103, 0.2767, 0.1298

Inverse Universe

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



32.8672, 0.4405, 0.3009



29.8742, 0.4831, 0.2981



70.9286, 0.2876, 0.4553



16.5375, 0.3262, 0.3242



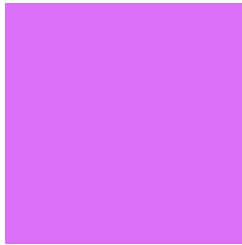
10.5965, 0.6068, 0.3116



0.9455, 0.5734, 0.2932

Previews

White Background



This preview shows how the Yxy color 33.0863, 0.2936, 0.1898 looks on a white background.

Color Contrast Check

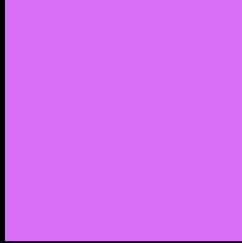
Large Text (above 18pt) WCAG AA × Fail

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 33.0863, 0.2936, 0.1898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

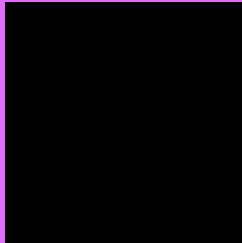
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0863, 0.2936, 0.1898

Background



This preview shows how black text looks on a background with the Yxy color 33.0863, 0.2936, 0.1898.

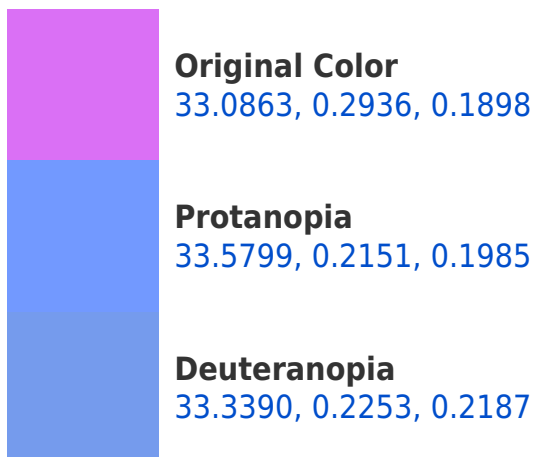


This preview shows how white text looks on a background with the Yxy color 33.0863, 0.2936, 0.1898.

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





Tritanopia

32.8353, 0.3767, 0.3162

Trichromacy



Original Color

33.0863, 0.2936, 0.1898



Protanomaly

31.8174, 0.2368, 0.1910



Deuteranomaly

31.6265, 0.2447, 0.2022



Tritanomaly

32.4125, 0.3438, 0.2618

Monochromacy



Original Color

33.0863, 0.2936, 0.1898



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.7670, 0.3057, 0.2651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0863, 0.2936, 0.1898 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(218, 112, 245)` looks like.

```
.text, #text, p{  
    color:rgb(218, 112, 245)  
}
```

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(218, 112, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 112, 245) }
```

Border

The CSS property to change the border of an element to Yxy 33.0863, 0.2936, 0.1898 is called "border". The border property can be set on classes, ids or directly on the HTML element.

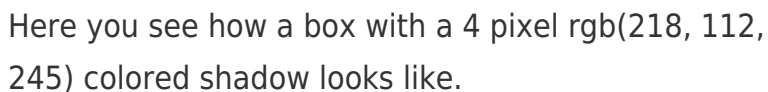
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 112, 245) }
```

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

```
.border{ border-color:rgb(218, 112, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(218, 112, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 112, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 112, 245);  
box-shadow:4px 4px 4px 4px rgb(218, 112,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0863, 0.2936, 0.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 112, 245) }
```

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

```
.background{ background-color: rgb(218,  
112, 245) }
```

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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