

Converting Colors

$Y_{xy}(35.8837, 0.2837, 0.1908)$

Have a look what the booklet for
Yxy(35.8837, 0.2837, 0.1908)
contains.

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Color

Yxy(35.9848, 0.2841, 0.1912)

Conversions

Conversions Part 1

Format	Color
Hex	D87BFF
RGB	216, 123, 255
RGB Percent	85%, 48%, 100%
CMY	0.1527, 0.5178, 0.0000
CMYK	0.15, 0.52, 0.00, 0.00
HSL	282°, 100%, 74%
HSV	282°, 52%, 100%
XYZ	53.4690, 35.9848, 98.7512
YIQ	165.8550, 13.0560, 60.7680

Conversions

Conversions Part 2

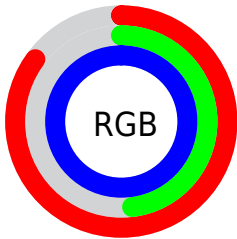
Format	Color
R _Y B	216, 123, 255
Decimal	14187519
CIE Lab	66.51, 57.11, -51.34
CIE LCh	67, 76.796, 318.049
Yxy	35.9848, 0.2841, 0.1912
Android (android.graphics.Color)	4292377599 (0xFFD87BFF)
YUV	165.8550, 43.9485, 43.9772
Hunter-Lab	59.9873, 54.1262, -55.6121

Details

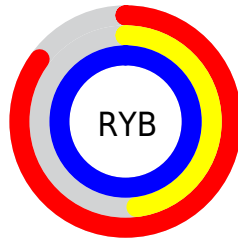
The Yxy color **35.9848, 0.2841, 0.1912** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.6187, 0.3261, 0.4849**, and the grayscale version is **37.8364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3208, 0.3163, 0.2536**, and **15.6026, 0.2722, 0.1607** is the 20% darker color. If you saturate the color by 10%, you get **29.3443, 0.2764, 0.1671**, and if you desaturate by 10%, it is **44.3253, 0.2913, 0.2176**.

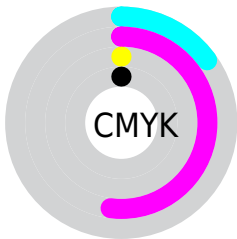
Distribution



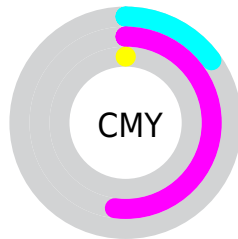
- Red (85%)
- Green (48%)
- Blue (100%)



- Red (85%)
- Yellow (48%)
- Blue (100%)



- Cyan (15%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9848, 0.2841, 0.1912 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 35.9848, 0.2841, 0.1912 by changing the saturation by 10% instead.


 35.9848, 0.2841,
0.1912


 35.9848, 0.2841,
0.1912


328.8941, 0.3010,
0.2537


 24.4225, 0.2794,
0.1776


 69.0086, 0.2907,
0.2124

 15.6473, 0.2731,
0.1614


 91.2389, 0.2930,
0.2208

 9.2749, 0.2645,
0.1417

 117.7939, 0.2950,
0.2281

 4.9209, 0.2524,
0.1177

149.0580, 0.2966,
0.2345

 2.2009, 0.2344,
0.0884

185.4157, 0.2980,
0.2401

 0.7205, 0.2066,
0.0535

227.2514, 0.2991,

 0.0000, 0.1648,

0.2451

0.0000

274.9494, 0.3001,
0.2496

■ 0.0000, 0.0000,
0.0000

■ 35.9848, 0.2841,
0.1912

■ 35.9848, 0.2841,
0.1912

■ 29.3443, 0.2764,
0.1671

■ 44.3253, 0.2913,
0.2176

■ 24.2714, 0.2684,
0.1465

■ 54.4824, 0.2977,
0.2451

■ 20.6153, 0.2602,
0.1303

■ 66.5633, 0.3033,
0.2726

■ 18.1935, 0.2523,
0.1190

■ 80.6663, 0.3081,
0.2993

■ 16.9015, 0.2461,
0.1129

■ 96.8830, 0.3121,
0.3247

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.



35.9848, 0.1947, 0.1687



35.9848, 0.2841, 0.1912



35.9848, 0.4036, 0.2389

Triad

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



35.9848, 0.2841, 0.1912



35.9848, 0.4930, 0.4549



35.9848, 0.1487, 0.3117

Complementary

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



35.9848, 0.2841, 0.1912



80.6187, 0.3261, 0.4849

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.



35.9848, 0.2092, 0.4486



35.9848, 0.2841, 0.1912



35.9848, 0.4069, 0.5269

Square

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



35.9848, 0.2841, 0.1912



35.9848, 0.5359, 0.3763



35.9848, 0.3045, 0.5416



35.9848, 0.1296, 0.2177

Rectangle

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



35.9848, 0.2841, 0.1912



35.9848, 0.4775, 0.2809



35.9848, 0.3045, 0.5416



35.9848, 0.1640, 0.3550

Sweetspot

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



35.9850, 0.2841, 0.1912



74.4639, 0.3061, 0.2882



37.4700, 0.2223, 0.2123



15.3194, 0.3052, 0.2827



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.



35.9850, 0.2841, 0.1912



29.2170, 0.2762, 0.1666



41.0498, 0.3430, 0.2257



18.0157, 0.3090, 0.3052



8.9122, 0.2473, 0.1136



0.9242, 0.2559, 0.1183

Inverse Universe

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



38.0201, 0.4172, 0.2893



31.7897, 0.4511, 0.2839



77.9095, 0.2934, 0.4629



18.0752, 0.3248, 0.3220



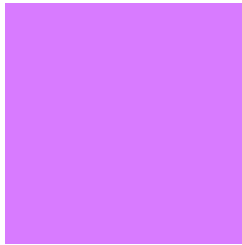
11.3981, 0.5787, 0.2962



1.1279, 0.5467, 0.2785

Previews

White Background



This preview shows how the Yxy color 35.9848, 0.2841, 0.1912 looks on a white background.

Color Contrast Check

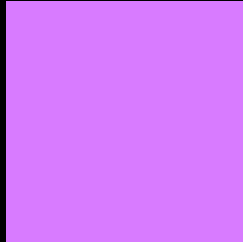
Large Text (above 18pt) WCAG AA × Fail

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 35.9848, 0.2841, 0.1912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

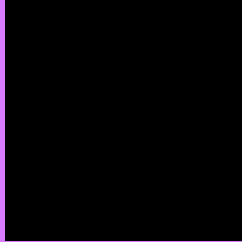
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9848, 0.2841, 0.1912

Background



This preview shows how black text looks on a background with the Yxy color 35.9848, 0.2841, 0.1912.



This preview shows how white text looks on a background with the Yxy color 35.9848, 0.2841, 0.1912.

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

35.9848, 0.2841, 0.1912

Protanopia

36.3762, 0.2225, 0.2080

Deuteranopia

36.2601, 0.2234, 0.2164



Tritanopia

35.8926, 0.3594, 0.3149

Trichromacy



Original Color

35.9848, 0.2841, 0.1912



Protanomaly

35.0469, 0.2402, 0.1984



Deuteranomaly

34.8010, 0.2405, 0.2024

Tritanomaly

35.2926, 0.3301, 0.2621

Monochromacy



Original Color

35.9848, 0.2841, 0.1912



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.0803, 0.3023, 0.2669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9848, 0.2841, 0.1912 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(216, 123, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 123, 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(216, 123, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 123, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.9848, 0.2841, 0.1912 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(216, 123, 255) }
```

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

```
.border{ border-color:rgb(216, 123, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 123, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 123, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 123, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 123,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9848, 0.2841, 0.1912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 123, 255) }
```

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

```
.background{ background-color: rgb(216,  
123, 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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