

Converting Colors

$Y_{xy}(35.9084, 0.2844, 0.1909)$

Have a look what the booklet for
Yxy(35.9084, 0.2844, 0.1909)
contains.

Yxy(35.7380, 0.2840, 0.1903)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.7380, 0.2840, 0.1903)

Conversions

Conversions Part 1

Format	Color
Hex	D87AFF
RGB	216, 122, 255
RGB Percent	85%, 48%, 100%
CMY	0.1529, 0.5216, 0.0000
CMYK	0.15, 0.52, 0.00, 0.00
HSL	282°, 100%, 74%
HSV	282°, 52%, 100%
XYZ	53.3347, 35.7380, 98.7255
YIQ	165.2680, 13.3310, 61.2910

Conversions

Conversions Part 2

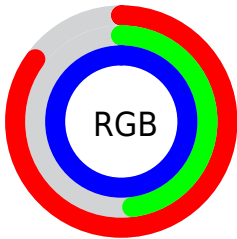
Format	Color
R _Y B	216, 122, 255
Decimal	14187263
CIE Lab	66.32, 57.58, -51.65
CIE LCh	66, 77.352, 318.111
Yxy	35.7380, 0.2840, 0.1903
Android (android.graphics.Color)	4292377343 (0xFFD87AFF)
YUV	165.2680, 44.2379, 44.4920
Hunter-Lab	59.7813, 54.6340, -56.0673

Details

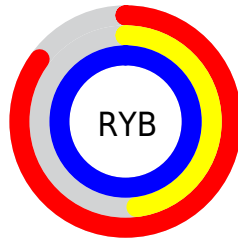
The Yxy color **35.7380, 0.2840, 0.1903** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.5000, 0.3259, 0.4862**, and the grayscale version is **37.5391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9243, 0.3163, 0.2527**, and **15.4806, 0.2721, 0.1598** is the 20% darker color. If you saturate the color by 10%, you get **29.1630, 0.2764, 0.1664**, and if you desaturate by 10%, it is **44.0053, 0.2911, 0.2166**.

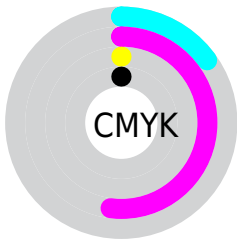
Distribution



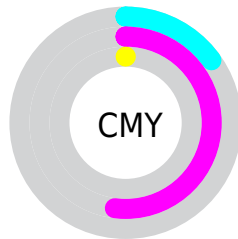
- Red (85%)
- Green (48%)
- Blue (100%)



- 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 35.7380, 0.2840, 0.1903 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 35.7380, 0.2840, 0.1903 by changing the saturation by 10% instead.


 35.7380, 0.2840,
0.1903

 35.7380, 0.2840,
0.1903


327.8139, 0.3010,
0.2532


 24.2319, 0.2792,
0.1767


 68.6275, 0.2906,
0.2116

 15.5057, 0.2729,
0.1603


 90.7797, 0.2930,
0.2200

 9.1751, 0.2643,
0.1406


 117.2494, 0.2950,
0.2274

 4.8556, 0.2520,
0.1164

148.4209, 0.2966,
0.2338

 2.1628, 0.2339,
0.0872

184.6788, 0.2980,
0.2395

 0.6996, 0.2059,
0.0521

226.4073, 0.2991,

 0.0000, 0.1636,

0.2446


0.0000


273.9909, 0.3001,
0.2491


 0.0000, 0.0000,
0.0000

 35.7380, 0.2840,
0.1903

 35.7380, 0.2840,
0.1903


 29.1630, 0.2764,
0.1664

 44.0053, 0.2911,
0.2166


 24.1510, 0.2683,
0.1459


 54.0857, 0.2975,
0.2441


 20.5488, 0.2603,
0.1300

 66.0852, 0.3031,
0.2716

 18.1728, 0.2524,
0.1189

 80.1026, 0.3079,
0.2983

 16.9533, 0.2465,
0.1132

 96.2299, 0.3119,
0.3237

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.



35.7380, 0.1940, 0.1676



35.7380, 0.2840, 0.1903



35.7380, 0.4046, 0.2383

Triad

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



35.7380, 0.2840, 0.1903



35.7380, 0.4940, 0.4556



35.7380, 0.1473, 0.3111

Complementary

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



35.7380, 0.2840, 0.1903



80.5000, 0.3259, 0.4862

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.



35.7380, 0.2080, 0.4496



35.7380, 0.2840, 0.1903



35.7380, 0.4070, 0.5286

Square

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



35.7380, 0.2840, 0.1903



35.7380, 0.5377, 0.3763



35.7380, 0.3038, 0.5438



35.7380, 0.1284, 0.2166

Rectangle

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



35.7380, 0.2840, 0.1903



35.7380, 0.4792, 0.2805



35.7380, 0.3038, 0.5438



35.7380, 0.1626, 0.3548

Sweetspot

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



35.7371, 0.2840, 0.1903



74.4762, 0.3062, 0.2882



37.1599, 0.2216, 0.2113



15.3223, 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.



35.7371, 0.2840, 0.1903



28.6842, 0.2757, 0.1645



40.8003, 0.3433, 0.2250



18.0173, 0.3091, 0.3052



8.9390, 0.2477, 0.1138



0.9266, 0.2563, 0.1185

Inverse Universe

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



37.7492, 0.4186, 0.2893



31.2641, 0.4550, 0.2838



77.8138, 0.2933, 0.4641



18.0747, 0.3248, 0.3221



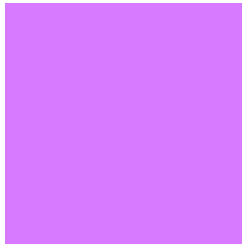
11.3949, 0.5793, 0.2965



1.1276, 0.5473, 0.2788

Previews

White Background



This preview shows how the Yxy color 35.7380, 0.2840, 0.1903 looks on a white background.

Color Contrast Check

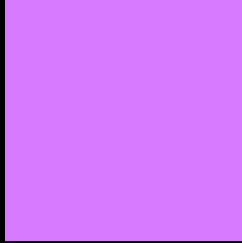
Large Text (above 18pt) WCAG AA × Fail

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 35.7380, 0.2840, 0.1903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

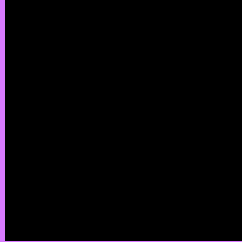
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7380, 0.2840, 0.1903

Background



This preview shows how black text looks on a background with the Yxy color 35.7380, 0.2840, 0.1903.



This preview shows how white text looks on a background with the Yxy color 35.7380, 0.2840, 0.1903.

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

35.7380, 0.2840, 0.1903

Protanopia

36.3014, 0.2220, 0.2079

Deuteranopia

36.1890, 0.2229, 0.2163



Tritanopia

35.4439, 0.3586, 0.3136

Trichromacy



Original Color

35.7380, 0.2840, 0.1903



Protanomaly

34.9459, 0.2395, 0.1982



Deuteranomaly

34.7025, 0.2398, 0.2021

Tritanomaly

34.8634, 0.3292, 0.2607

Monochromacy



Original Color

35.7380, 0.2840, 0.1903



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.7625, 0.3023, 0.2656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7380, 0.2840, 0.1903 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, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 122, 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, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 122, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.7380, 0.2840, 0.1903 is called "border". The border property can be set on classes, ids or directly on the HTML element.

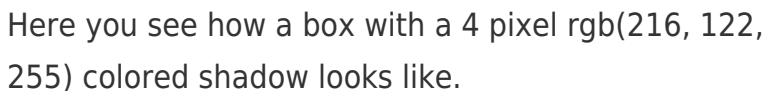
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 122, 255) }
```

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

```
.border{ border-color:rgb(216, 122, 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, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 122,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7380, 0.2840, 0.1903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 122, 255) }
```

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

```
.background{ background-color: rgb(216,  
122, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor