

Converting Colors

$Y_{xy}(35.9347, 0.2782, 0.1925)$

Have a look what the booklet for
Yxy(35.9347, 0.2782, 0.1925)
contains.

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Color

Yxy(35.9541, 0.2782, 0.1926)

Conversions

Conversions Part 1

Format	Color
Hex	D17FFF
RGB	209, 127, 255
RGB Percent	82%, 50%, 100%
CMY	0.1803, 0.5020, 0.0001
CMYK	0.18, 0.50, 0.00, 0.00
HSL	278°, 100%, 75%
HSV	278°, 50%, 100%
XYZ	51.9337, 35.9541, 98.7898
YIQ	166.1100, 7.7840, 57.1920

Conversions

Conversions Part 2

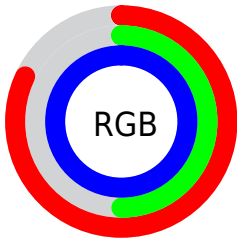
Format	Color
R_{YB}	209, 127, 255
Decimal	13729791
CIE _{Lab}	66.48, 53.23, -51.40
CIE _{LCh}	66, 73.996, 315.998
Yxy	35.9541, 0.2782, 0.1926
Android (android.graphics.Color)	4291919871 (0xFFD17FFF)
YUV	166.1100, 43.8228, 37.6145
Hunter-Lab	59.9617, 49.6683, -55.7098

Details

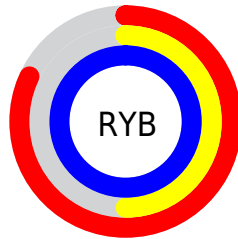
The Yxy color **35.9541, 0.2782, 0.1926** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **81.9171, 0.3310, 0.4773**, and the grayscale version is **37.9720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **15.6502, 0.2656, 0.1624** is the 20% darker color. If you saturate the color by 10%, you get **28.8842, 0.2688, 0.1668**, and if you desaturate by 10%, it is **44.7698, 0.2869, 0.2203**.

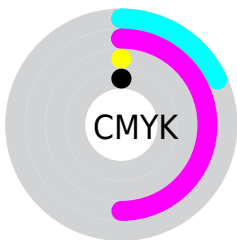
Distribution



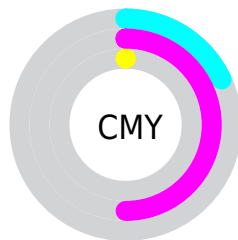
- Red (82%)
- Green (50%)
- Blue (100%)



- Red (82%)
- Yellow (50%)
- Blue (100%)



- Cyan (18%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9541, 0.2782, 0.1926 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 35.9541, 0.2782, 0.1926 by changing the saturation by 10% instead.


 35.9541, 0.2782,
0.1926


 35.9541, 0.2782,
0.1926


328.7599, 0.2979,
0.2547

 24.3987, 0.2728,
0.1791


 68.9612, 0.2857,
0.2137

 15.6297, 0.2658,
0.1628


 91.1818, 0.2885,
0.2221

 9.2625, 0.2563,
0.1431


 117.7262, 0.2907,
0.2293

 4.9128, 0.2430,
0.1189

148.9788, 0.2926,
0.2357

 2.1962, 0.2235,
0.0895

185.3241, 0.2942,
0.2413

 0.7179, 0.1939,
0.0541

227.1465, 0.2956,


 0.0000, 0.1501,


0.2462


0.0000


274.8303, 0.2968,
0.2507


 0.0000, 0.0000,
0.0000


 35.9541, 0.2782,
0.1926


 35.9541, 0.2782,
0.1926


 28.8842, 0.2688,
0.1668


 44.7698, 0.2869,
0.2203


 23.4262, 0.2589,
0.1443


 55.4430, 0.2948,
0.2486


 19.4333, 0.2491,
0.1261

 68.0811, 0.3017,
0.2766

 16.7289, 0.2395,
0.1129

 82.7818, 0.3076,
0.3034

 15.0479, 0.2308,
0.1045

 99.6362, 0.3126,
0.3285

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



35.9541, 0.1937, 0.1724



35.9541, 0.2782, 0.1926



35.9541, 0.3925, 0.2378

Triad

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



35.9541, 0.2782, 0.1926



35.9541, 0.4931, 0.4477



35.9541, 0.1562, 0.3211

Complementary

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



35.9541, 0.2782, 0.1926



81.9171, 0.3310, 0.4773

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.



35.9541, 0.2186, 0.4524



35.9541, 0.2782, 0.1926



35.9541, 0.4120, 0.5176

Square

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



35.9541, 0.2782, 0.1926



35.9541, 0.5294, 0.3715



35.9541, 0.3128, 0.5354



35.9541, 0.1346, 0.2262

Rectangle

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



35.9541, 0.2782, 0.1926



35.9541, 0.4653, 0.2784



35.9541, 0.3128, 0.5354



35.9541, 0.1723, 0.3636

Sweetspot

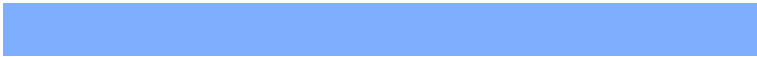
The Sweet Spot groups the original color and five complimentary colors.



35.9556, 0.2782, 0.1926



75.4640, 0.3049, 0.2907



41.9742, 0.2274, 0.2277



15.4973, 0.3036, 0.2850



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.



35.9556, 0.2782, 0.1926



29.0094, 0.2690, 0.1673



42.6028, 0.3337, 0.2213



17.9550, 0.3080, 0.3052



7.9516, 0.2322, 0.1053



0.8358, 0.2423, 0.1108

Inverse Universe

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



39.4505, 0.4027, 0.2818



33.1953, 0.4310, 0.2748



78.0327, 0.2977, 0.4688



18.0949, 0.3238, 0.3205



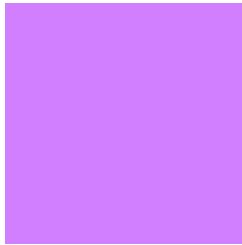
11.5346, 0.5548, 0.2830



1.1431, 0.5234, 0.2657

Previews

White Background



This preview shows how the Yxy color 35.9541, 0.2782, 0.1926 looks on a white background.

Color Contrast Check

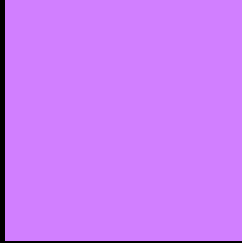
Large Text (above 18pt) WCAG AA × Fail

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 35.9541, 0.2782, 0.1926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

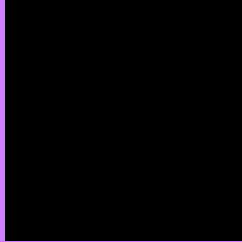
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9541, 0.2782, 0.1926

Background



This preview shows how black text looks on a background with the Yxy color 35.9541, 0.2782, 0.1926.



This preview shows how white text looks on a background with the Yxy color 35.9541, 0.2782, 0.1926.

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

35.9541, 0.2782, 0.1926

Protanopia

36.3762, 0.2225, 0.2080

Deuteranopia

36.1890, 0.2229, 0.2163



Tritanopia

35.8552, 0.3473, 0.3145

Trichromacy



Original Color

35.9541, 0.2782, 0.1926



Protanomaly

35.1554, 0.2390, 0.1992



Deuteranomaly

35.1353, 0.2388, 0.2041

Tritanomaly

35.4282, 0.3198, 0.2630

Monochromacy



Original Color

35.9541, 0.2782, 0.1926



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.4788, 0.3004, 0.2692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9541, 0.2782, 0.1926 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(209, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 127, 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(209, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 127, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.9541, 0.2782, 0.1926 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(209, 127, 255) }
```

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

```
.border{ border-color:rgb(209, 127, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 127,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9541, 0.2782, 0.1926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 127, 255) }
```

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

```
.background{ background-color: rgb(209,  
127, 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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