

Converting Colors

$Y_{xy}(35.7091, 0.2843, 0.1998)$

Have a look what the booklet for
Yxy(35.7091, 0.2843, 0.1998)
contains.

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Color

Yxy(35.7091, 0.2843, 0.1998)

Conversions

Conversions Part 1

Format	Color
Hex	D180F7
RGB	209, 128, 247
RGB Percent	82%, 50%, 97%
CMY	0.1802, 0.4981, 0.0314
CMYK	0.15, 0.48, 0.00, 0.03
HSL	281°, 88%, 74%
HSV	281°, 48%, 97%
XYZ	50.8113, 35.7091, 92.2038
YIQ	165.7850, 10.0770, 54.1810

Conversions

Conversions Part 2

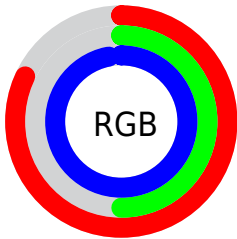
Format	Color
R _{YB}	209, 128, 247
Decimal	13730039
CIE _{Lab}	66.30, 51.07, -47.33
CIE _{LCh}	66, 69.626, 317.179
Yxy	35.7091, 0.2843, 0.1998
Android (android.graphics.Color)	4291920119 (0xFFD180F7)
YUV	165.7850, 40.0390, 37.8996
Hunter-Lab	59.7571, 47.2032, -49.6532

Details

The Yxy color **35.7091, 0.2843, 0.1998** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **76.1737, 0.3276, 0.4720**, and the grayscale version is **37.8243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **15.4253, 0.2734, 0.1703** is the 20% darker color. If you saturate the color by 10%, you get **28.9132, 0.2761, 0.1743**, and if you desaturate by 10%, it is **44.1325, 0.2918, 0.2271**.

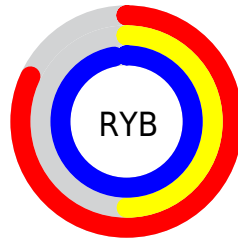
Distribution



Red (82%)

Green (50%)

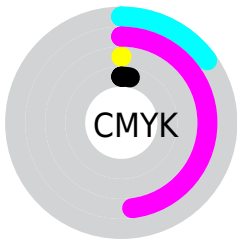
Blue (97%)



Red (82%)

Yellow (50%)

Blue (97%)

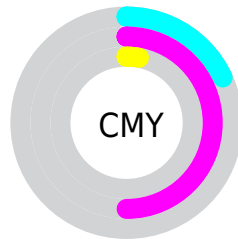


Cyan (15%)

Magenta (48%)

Yellow (0%)

Black (3%)



Cyan (18%)


Magenta (50%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7091, 0.2843, 0.1998 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 35.7091, 0.2843, 0.1998 by changing the saturation by 10% instead.


 35.7091, 0.2843,
0.1998


 35.7091, 0.2843,
0.1998


327.6873, 0.3009,
0.2593


 24.2096, 0.2797,
0.1866


 68.5828, 0.2907,
0.2202

 15.4892, 0.2736,
0.1707


 90.7259, 0.2930,
0.2282

 9.1634, 0.2652,
0.1512


 117.1855, 0.2949,
0.2351

 4.8479, 0.2532,
0.1270

148.3462, 0.2965,
0.2412

 2.1583, 0.2352,
0.0969

184.5924, 0.2978,
0.2465

 0.6971, 0.2070,
0.0595

226.3083, 0.2990,

 0.0000, 0.1637,

0.2513

0.0000

273.8785, 0.3000,
0.2555

0.0000, 0.0000,
0.0000

35.7091, 0.2843,
0.1998

35.7091, 0.2843,
0.1998

28.9132, 0.2761,
0.1743

44.1325, 0.2918,
0.2271

23.6238, 0.2675,
0.1518

54.2840, 0.2985,
0.2549

19.7098, 0.2587,
0.1334

66.2610, 0.3043,
0.2823

17.0148, 0.2501,
0.1199

80.1522, 0.3093,
0.3086

15.3225, 0.2419,
0.1111

96.0407, 0.3134,
0.3334

■ 15.0672, 0.2404,
0.1098

■ 99.4950, 0.3173,
0.3367

Harmonies

Analogous

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



35.7091, 0.2019, 0.1793



35.7091, 0.2843, 0.1998



35.7091, 0.3928, 0.2444

Triad

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



35.7091, 0.2843, 0.1998



35.7091, 0.4834, 0.4475



35.7091, 0.1621, 0.3181

Complementary

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



35.7091, 0.2843, 0.1998



76.1737, 0.3276, 0.4720

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.



35.7091, 0.2211, 0.4399



35.7091, 0.2843, 0.1998



35.7091, 0.4059, 0.5108

Square

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



35.7091, 0.2843, 0.1998



35.7091, 0.5184, 0.3746



35.7091, 0.3108, 0.5212



35.7091, 0.1420, 0.2295

Rectangle

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



35.7091, 0.2843, 0.1998



35.7091, 0.4603, 0.2840



35.7091, 0.3108, 0.5212



35.7091, 0.1774, 0.3574

Sweetspot

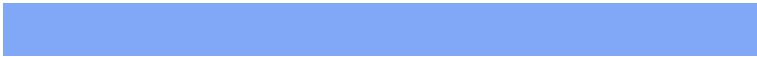
The Sweet Spot groups the original color and five complimentary colors.



35.7106, 0.2843, 0.1998



77.2046, 0.3065, 0.2934



39.1789, 0.2300, 0.2274



15.8528, 0.3054, 0.2877



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.



35.7106, 0.2843, 0.1998



31.1442, 0.2762, 0.1745



40.7606, 0.3364, 0.2287



16.4880, 0.3087, 0.3053



8.0485, 0.2417, 0.1105



0.7623, 0.2518, 0.1161

Inverse Universe

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



37.9561, 0.4027, 0.2887



34.1377, 0.4327, 0.2821



73.2370, 0.2962, 0.4569



16.5696, 0.3243, 0.3215



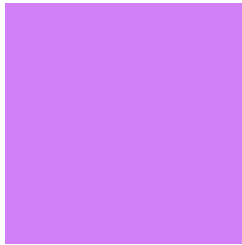
10.7773, 0.5696, 0.2912



0.9651, 0.5343, 0.2717

Previews

White Background



This preview shows how the Yxy color 35.7091, 0.2843, 0.1998 looks on a white background.

Color Contrast Check

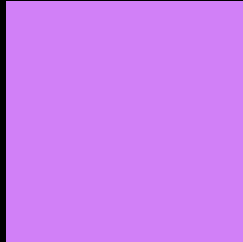
Large Text (above 18pt) WCAG AA × Fail

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 35.7091, 0.2843, 0.1998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

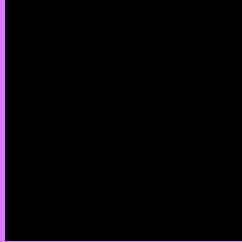
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7091, 0.2843, 0.1998

Background



This preview shows how black text looks on a background with the Yxy color 35.7091, 0.2843, 0.1998.



This preview shows how white text looks on a background with the Yxy color 35.7091, 0.2843, 0.1998.

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

35.7091, 0.2843, 0.1998

Protanopia

35.9588, 0.2217, 0.2066

Deuteranopia

36.2762, 0.2301, 0.2243



Tritanopia

35.7687, 0.3506, 0.3146

Trichromacy



Original Color

35.7091, 0.2843, 0.1998



Protanomaly

34.8643, 0.2400, 0.2015



Deuteranomaly

35.0339, 0.2462, 0.2122



Tritanomaly

35.2730, 0.3247, 0.2656

Monochromacy



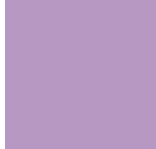
Original Color

35.7091, 0.2843, 0.1998



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.3417, 0.3030, 0.2728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7091, 0.2843, 0.1998 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, 128, 247)` looks like.

```
.text, #text, p{  
    color:rgb(209, 128, 247)  
}
```

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, 128, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 128, 247) }
```

Border

The CSS property to change the border of an element to Yxy 35.7091, 0.2843, 0.1998 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, 128, 247) }
```

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

```
.border{ border-color:rgb(209, 128, 247) }
```

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

Here you see how a box with a 4 pixel rgb(209, 128, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 128, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 128, 247);  
box-shadow:4px 4px 4px 4px rgb(209, 128,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7091, 0.2843, 0.1998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 128, 247) }
```

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

```
.background{ background-color: rgb(209,  
128, 247) }
```

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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