

Converting Colors

$Y_{xy}(36.2878, 0.2816, 0.1930)$

Have a look what the booklet for
Yxy(36.2878, 0.2816, 0.1930)
contains.

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Color

Yxy(36.2878, 0.2816, 0.1930)

Conversions

Conversions Part 1

Format	Color
Hex	D57EFF
RGB	213, 126, 255
RGB Percent	84%, 49%, 100%
CMY	0.1647, 0.5058, 0.0002
CMYK	0.16, 0.51, 0.00, 0.00
HSL	280°, 100%, 75%
HSV	280°, 51%, 100%
XYZ	52.9463, 36.2878, 98.7855
YIQ	166.7190, 10.4430, 58.5630

Conversions

Conversions Part 2

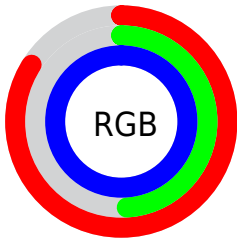
Format	Color
RYB	213, 126, 255
Decimal	13991679
CIELab	66.74, 54.77, -50.96
CIElCh	67, 74.812, 317.063
Yxy	36.2878, 0.2816, 0.1930
Android (android.graphics.Color)	4292181759 (0xFFD57EFF)
YUV	166.7190, 43.5225, 40.5884
Hunter-Lab	60.2394, 51.4706, -55.0612

Details

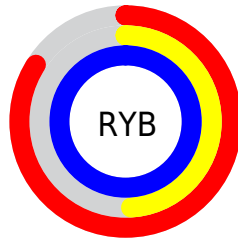
The Yxy color **36.2878, 0.2816, 0.1930** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **81.3213, 0.3284, 0.4798**, and the grayscale version is **38.2826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **15.9102, 0.2701, 0.1635** is the 20% darker color. If you saturate the color by 10%, you get **29.3691, 0.2731, 0.1680**, and if you desaturate by 10%, it is **44.9341, 0.2895, 0.2201**.

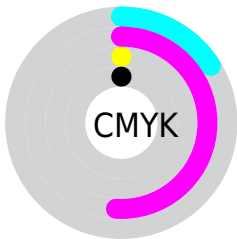
Distribution



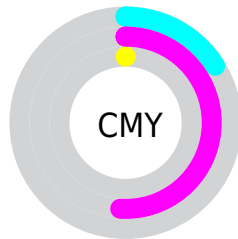
- Red (84%)
- Green (49%)
- Blue (100%)



- Red (84%)
- Yellow (49%)
- Blue (100%)



- Cyan (16%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2878, 0.2816, 0.1930 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 36.2878, 0.2816, 0.1930 by changing the saturation by 10% instead.

 36.2878, 0.2816,
0.1930


 36.2878, 0.2816,
0.1930


330.2167, 0.2996,
0.2548

 24.6566, 0.2766,
0.1796


 69.4760, 0.2886,
0.2140

 15.8214, 0.2701,
0.1634


 91.8018, 0.2911,
0.2223

 9.3978, 0.2612,
0.1438


 118.4613, 0.2931,
0.2295

 5.0016, 0.2487,
0.1198

149.8387, 0.2949,
0.2358

 2.2482, 0.2302,
0.0905

186.3186, 0.2963,
0.2414

 0.7461, 0.2018,
0.0555

228.2853, 0.2976,

 0.0000, 0.1597,

0.2464


0.0000


276.1232, 0.2987,
0.2508


 0.0000, 0.0000,
0.0000

 36.2878, 0.2816,
0.1930

 36.2878, 0.2816,
0.1930


 29.3691, 0.2731,
0.1680


 44.9341, 0.2895,
0.2201


 24.0438, 0.2642,
0.1463


 55.4197, 0.2966,
0.2480


 20.1646, 0.2552,
0.1289

 67.8521, 0.3027,
0.2757

 17.5539, 0.2465,
0.1165

 82.3289, 0.3080,
0.3024

 15.9885, 0.2387,
0.1089

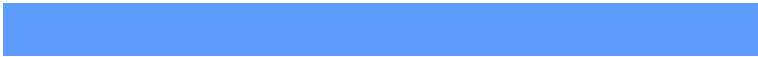
 98.9411, 0.3125,
0.3276

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



36.2878, 0.1953, 0.1718



36.2878, 0.2816, 0.1930



36.2878, 0.3973, 0.2392

Triad

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



36.2878, 0.2816, 0.1930



36.2878, 0.4918, 0.4509



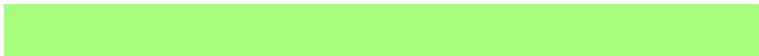
36.2878, 0.1538, 0.3166

Complementary

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



36.2878, 0.2816, 0.1930



81.3213, 0.3284, 0.4798

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.



36.2878, 0.2149, 0.4490



36.2878, 0.2816, 0.1930



36.2878, 0.4090, 0.5207

Square

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



36.2878, 0.2816, 0.1930



36.2878, 0.5307, 0.3740



36.2878, 0.3090, 0.5360



36.2878, 0.1335, 0.2230

Rectangle

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



36.2878, 0.2816, 0.1930



36.2878, 0.4698, 0.2803



36.2878, 0.3090, 0.5360



36.2878, 0.1694, 0.3590

Sweetspot

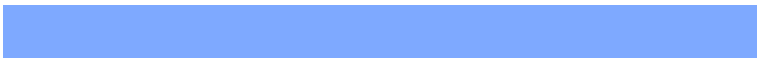
The Sweet Spot groups the original color and five complimentary colors.



36.2893, 0.2816, 0.1930



75.6925, 0.3058, 0.2908



40.0281, 0.2256, 0.2211



15.5525, 0.3047, 0.2851



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.



36.2893, 0.2816, 0.1930



29.1217, 0.2727, 0.1670



42.0872, 0.3380, 0.2241



17.9868, 0.3086, 0.3052



8.4416, 0.2400, 0.1096



0.8811, 0.2494, 0.1147

Inverse Universe

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



39.0032, 0.4088, 0.2860



32.4731, 0.4412, 0.2795



78.0524, 0.2956, 0.4647



18.0845, 0.3243, 0.3213



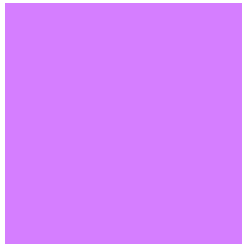
11.4591, 0.5677, 0.2901



1.1348, 0.5358, 0.2725

Previews

White Background



This preview shows how the Yxy color 36.2878, 0.2816, 0.1930 looks on a white background.

Color Contrast Check

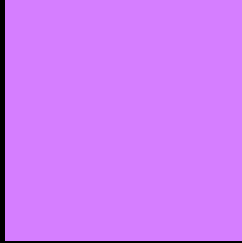
Large Text (above 18pt) WCAG AA × Fail

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 36.2878, 0.2816, 0.1930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

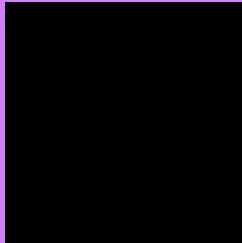
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2878, 0.2816, 0.1930

Background



This preview shows how black text looks on a background with the Yxy color 36.2878, 0.2816, 0.1930.



This preview shows how white text looks on a background with the Yxy color 36.2878, 0.2816, 0.1930.

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

36.2878, 0.2816, 0.1930

Protanopia

36.7972, 0.2233, 0.2095

Deuteranopia

36.6829, 0.2243, 0.2179



Tritanopia

36.2102, 0.3527, 0.3135

Trichromacy



Original Color

36.2878, 0.2816, 0.1930



Protanomaly

35.6689, 0.2406, 0.2008



Deuteranomaly

35.3300, 0.2402, 0.2046

Tritanomaly

35.8273, 0.3248, 0.2628

Monochromacy



Original Color

36.2878, 0.2816, 0.1930



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.7703, 0.3014, 0.2683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2878, 0.2816, 0.1930 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(213, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 126, 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(213, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 126, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.2878, 0.2816, 0.1930 is called "border". The border property can be set on classes, ids or directly on the HTML element.

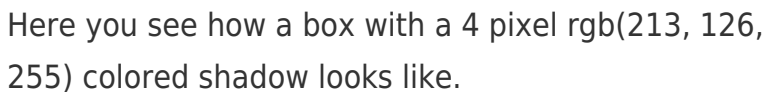
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 126, 255) }
```

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

```
.border{ border-color:rgb(213, 126, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(213, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 126, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 126, 255); box-shadow:4px 4px 4px 4px rgb(213, 126, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2878, 0.2816, 0.1930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 126, 255) }
```

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

```
.background{ background-color: rgb(213,  
126, 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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