

Converting Colors

$Y_{xy}(40.0288, 0.2593, 0.1629)$

Have a look what the booklet for
Yxy(40.0288, 0.2593, 0.1629)
contains.

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Color

Yxy(36.5827, 0.2902, 0.1919)

Conversions

Conversions Part 1

Format	Color
Hex	DF79FF
RGB	223, 121, 255
RGB Percent	87%, 47%, 100%
CMY	0.1254, 0.5255, 0.0001
CMYK	0.13, 0.53, 0.00, 0.00
HSL	286°, 100%, 74%
HSV	286°, 53%, 100%
XYZ	55.3220, 36.5827, 98.7294
YIQ	166.7740, 17.7780, 63.2980

Conversions

Conversions Part 2

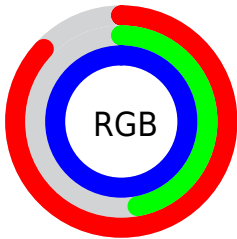
Format	Color
R _Y B	223, 121, 255
Decimal	14645759
CIE Lab	66.96, 59.87, -50.54
CIE LCh	67, 78.350, 319.830
Yxy	36.5827, 0.2902, 0.1919
Android (android.graphics.Color)	4292835839 (0xFFDF79FF)
YUV	166.7740, 43.4954, 49.3102
Hunter-Lab	60.4836, 57.4207, -54.4425

Details

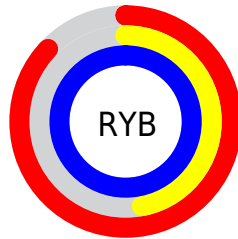
The Yxy color **36.5827, 0.2902, 0.1919** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **79.6486, 0.3217, 0.4896**, and the grayscale version is **38.3068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9243, 0.3163, 0.2527**, and **15.9730, 0.2803, 0.1619** is the 20% darker color. If you saturate the color by 10%, you get **30.2368, 0.2841, 0.1691**, and if you desaturate by 10%, it is **44.6035, 0.2958, 0.2172**.

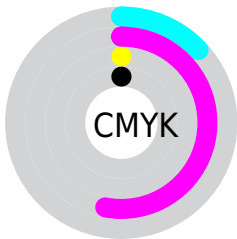
Distribution



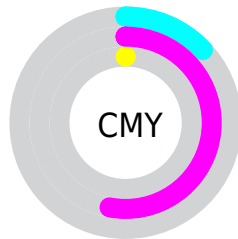
- Red (87%)
- Green (47%)
- Blue (100%)



- Red (87%)
- Yellow (47%)
- Blue (100%)



- Cyan (13%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (13%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5827, 0.2902, 0.1919 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 36.5827, 0.2902, 0.1919 by changing the saturation by 10% instead.


 36.5827, 0.2902,
0.1919


 36.5827, 0.2902,
0.1919


331.5003, 0.3042,
0.2538


 24.8846, 0.2862,
0.1785

 69.9305, 0.2957,
0.2129

 15.9911, 0.2808,
0.1624


 92.3490, 0.2977,
0.2212

 9.5178, 0.2733,
0.1430


 119.1096, 0.2993,
0.2284

 5.0805, 0.2626,
0.1192

150.5970, 0.3006,
0.2347

 2.2945, 0.2465,
0.0903

187.1953, 0.3017,
0.2403

 0.7708, 0.2211,
0.0559

229.2890, 0.3027,

 0.0000, 0.1828,

0.2453

0.0000

277.2626, 0.3035,
0.2498

0.0000, 0.0368,
0.0000

0.0000, 0.0000,
0.0000

36.5827, 0.2902,
0.1919

36.5827, 0.2902,
0.1919

30.2368, 0.2841,
0.1691

44.6035, 0.2958,
0.2172

25.4288, 0.2777,
0.1500


54.4127, 0.3009,
0.2439


22.0074, 0.2711,
0.1353

66.1189, 0.3052,
0.2709

19.7877, 0.2647,
0.1254

79.8208, 0.3090,
0.2974

 18.7125, 0.2601,
0.1206

 95.6102, 0.3120,
0.3228

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



36.5827, 0.1975, 0.1676



36.5827, 0.2902, 0.1919



36.5827, 0.4121, 0.2413

Triad

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



36.5827, 0.2902, 0.1919



36.5827, 0.4905, 0.4605



36.5827, 0.1445, 0.3038

Complementary

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



36.5827, 0.2902, 0.1919



79.6486, 0.3217, 0.4896

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.



36.5827, 0.2028, 0.4423



36.5827, 0.2902, 0.1919



36.5827, 0.4015, 0.5325

Square

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



36.5827, 0.2902, 0.1919



36.5827, 0.5379, 0.3806



36.5827, 0.2976, 0.5426



36.5827, 0.1278, 0.2123

Rectangle

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



36.5827, 0.2902, 0.1919



36.5827, 0.4854, 0.2841



36.5827, 0.2976, 0.5426



36.5827, 0.1590, 0.3470

Sweetspot

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



36.5842, 0.2902, 0.1919



74.8761, 0.3077, 0.2884



34.5551, 0.2192, 0.2016



15.4182, 0.3070, 0.2830



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.



36.5842, 0.2902, 0.1919



29.9938, 0.2838, 0.1682



40.1737, 0.3504, 0.2301



18.0694, 0.3100, 0.3053



9.8522, 0.2611, 0.1212



1.0092, 0.2682, 0.1251

Inverse Universe

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



37.2254, 0.4288, 0.2966



31.0115, 0.4671, 0.2927



77.9163, 0.2901, 0.4566



18.0580, 0.3257, 0.3234



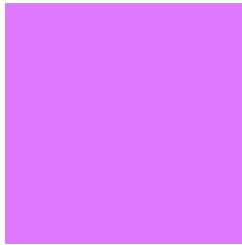
11.3029, 0.5971, 0.3063



1.1167, 0.5659, 0.2891

Previews

White Background



This preview shows how the Yxy color 36.5827, 0.2902, 0.1919 looks on a white background.

Color Contrast Check

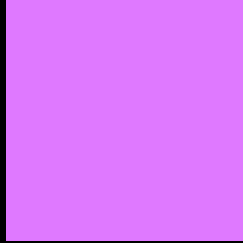
Large Text (above 18pt) WCAG AA × Fail

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 36.5827, 0.2902, 0.1919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

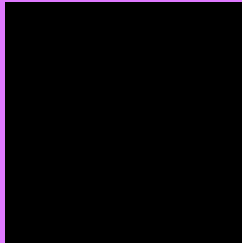
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5827, 0.2902, 0.1919

Background



This preview shows how black text looks on a background with the Yxy color 36.5827, 0.2902, 0.1919.



This preview shows how white text looks on a background with the Yxy color 36.5827, 0.2902, 0.1919.

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

36.5827, 0.2902, 0.1919

Protanopia

36.8736, 0.2238, 0.2096

Deuteranopia

37.1207, 0.2261, 0.2205



Tritanopia

36.5474, 0.3680, 0.3153

Trichromacy



Original Color

36.5827, 0.2902, 0.1919



Protanomaly

35.4592, 0.2430, 0.1994



Deuteranomaly

35.4529, 0.2441, 0.2053

Tritanomaly

36.0377, 0.3372, 0.2625

Monochromacy



Original Color

36.5827, 0.2902, 0.1919



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.5010, 0.3042, 0.2663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5827, 0.2902, 0.1919 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(223, 121, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 121, 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(223, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 121, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.5827, 0.2902, 0.1919 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(223, 121, 255) }
```

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

```
.border{ border-color:rgb(223, 121, 255) }
```

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

Here you see how a box with a 4 pixel rgb(223, 121, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 121, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 121, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 121,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5827, 0.2902, 0.1919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 121, 255) }
```

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

```
.background{ background-color: rgb(223,  
121, 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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