

Converting Colors

$Y_{xy}(34.6222, 0.2913, 0.1915)$

Have a look what the booklet for
Yxy(34.6222, 0.2913, 0.1915)
contains.

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Color

Yxy(34.6222, 0.2913, 0.1915)

Conversions

Conversions Part 1

Format	Color
Hex	DB75F9
RGB	219, 117, 249
RGB Percent	86%, 46%, 98%
CMY	0.1412, 0.5411, 0.0236
CMYK	0.12, 0.53, 0.00, 0.02
HSL	286°, 92%, 72%
HSV	286°, 53%, 98%
XYZ	52.6655, 34.6222, 93.5071
YIQ	162.5460, 18.4200, 62.6760

Conversions

Conversions Part 2

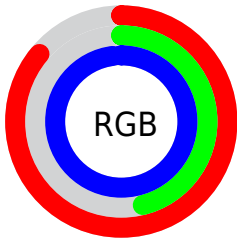
Format	Color
R _Y B	219, 117, 249
Decimal	14382585
CIE Lab	65.45, 59.58, -49.67
CIE LCh	65, 77.569, 320.186
Yxy	34.6222, 0.2913, 0.1915
Android (android.graphics.Color)	4292572665 (0xFFDB75F9)
YUV	162.5460, 42.6218, 49.5102
Hunter-Lab	58.8406, 56.7960, -53.0327

Details

The Yxy color **34.6222, 0.2913, 0.1915** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **75.2244, 0.3208, 0.4913**, and the grayscale version is **36.1931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **14.8281, 0.2815, 0.1610** is the 20% darker color. If you saturate the color by 10%, you get **28.7088, 0.2855, 0.1691**, and if you desaturate by 10%, it is **42.1109, 0.2966, 0.2165**.

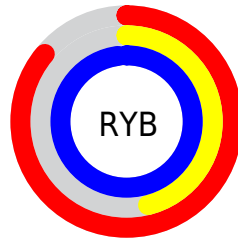
Distribution



Red (86%)

Green (46%)

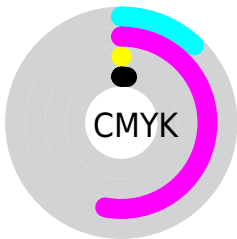
Blue (98%)



Red (86%)

Yellow (46%)

Blue (98%)

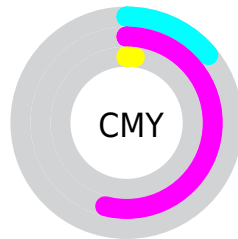


Cyan (12%)

Magenta (53%)

Yellow (0%)

Black (2%)



Cyan (14%)


Magenta (54%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6222, 0.2913, 0.1915 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 34.6222, 0.2913, 0.1915 by changing the saturation by 10% instead.


 34.6222, 0.2913,
0.1915


 34.6222, 0.2913,
0.1915


322.8976, 0.3048,
0.2542

 23.3720, 0.2873,
0.1778


 66.9001, 0.2967,
0.2128

 14.8684, 0.2819,
0.1614


 88.6965, 0.2986,
0.2212

 8.7271, 0.2744,
0.1414


 114.7772, 0.3002,
0.2286

 4.5636, 0.2634,
0.1169

145.5265, 0.3015,
0.2350

 1.9936, 0.2467,
0.0870

181.3288, 0.3025,
0.2406

 0.6037, 0.2203,
0.0498

222.5685, 0.3034,

 0.0000, 0.1777,

0.2456


0.0000


269.6299, 0.3042,
0.2501


 0.0000, 0.0000,
0.0000


 34.6222, 0.2913,
0.1915


 34.6222, 0.2913,
0.1915


 28.7088, 0.2855,
0.1691


 42.1109, 0.2966,
0.2165


 24.2408, 0.2794,
0.1504

 51.2822, 0.3014,
0.2430

 21.0747, 0.2732,
0.1361

 62.2392, 0.3056,
0.2699

 19.0345, 0.2671,
0.1266

 75.0751, 0.3091,
0.2963

 18.0942, 0.2629,
0.1222

 89.8769, 0.3120,
0.3217

99.2286, 0.3149,
0.3348

99.6179, 0.3162,
0.3348

Harmonies

Analogous

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



34.6222, 0.1976, 0.1668



34.6222, 0.2913, 0.1915



34.6222, 0.4143, 0.2414

Triad

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



34.6222, 0.2913, 0.1915



34.6222, 0.4905, 0.4619



34.6222, 0.1430, 0.3020

Complementary

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



34.6222, 0.2913, 0.1915



75.2244, 0.3208, 0.4913

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.



34.6222, 0.2010, 0.4416



34.6222, 0.2913, 0.1915



34.6222, 0.4005, 0.5345

Square

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



34.6222, 0.2913, 0.1915



34.6222, 0.5393, 0.3815



34.6222, 0.2960, 0.5441



34.6222, 0.1267, 0.2106

Rectangle

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



34.6222, 0.2913, 0.1915



34.6222, 0.4879, 0.2845



34.6222, 0.2960, 0.5441



34.6222, 0.1573, 0.3454

Sweetspot

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



34.6237, 0.2913, 0.1915



74.9578, 0.3081, 0.2884



31.7429, 0.2179, 0.1976



15.4378, 0.3074, 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.



34.6237, 0.2913, 0.1915



29.7304, 0.2848, 0.1669



37.7076, 0.3530, 0.2314



17.3140, 0.3101, 0.3054



9.7545, 0.2639, 0.1227



0.9503, 0.2710, 0.1267

Inverse Universe

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



34.9705, 0.4320, 0.2980



30.4619, 0.4735, 0.2943



73.7924, 0.2890, 0.4548



17.2898, 0.3258, 0.3236



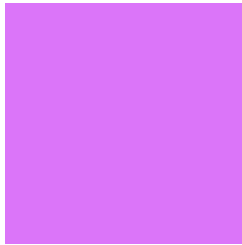
10.9541, 0.6002, 0.3080



1.0299, 0.5677, 0.2901

Previews

White Background



This preview shows how the Yxy color 34.6222, 0.2913, 0.1915 looks on a white background.

Color Contrast Check

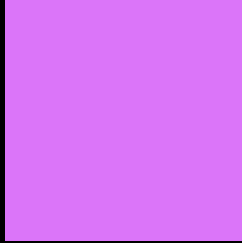
Large Text (above 18pt) WCAG AA × Fail

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 34.6222, 0.2913, 0.1915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

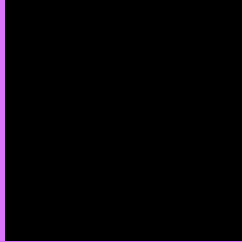
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6222, 0.2913, 0.1915

Background



This preview shows how black text looks on a background with the Yxy color 34.6222, 0.2913, 0.1915.



This preview shows how white text looks on a background with the Yxy color 34.6222, 0.2913, 0.1915.

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

34.6222, 0.2913, 0.1915

Protanopia

34.9900, 0.2190, 0.2034

Deuteranopia

35.1402, 0.2262, 0.2206



Tritanopia

34.2959, 0.3708, 0.3150

Trichromacy



Original Color

34.6222, 0.2913, 0.1915



Protanomaly

33.5058, 0.2392, 0.1950



Deuteranomaly

33.5461, 0.2447, 0.2052



Tritanomaly

33.7920, 0.3400, 0.2623

Monochromacy



Original Color

34.6222, 0.2913, 0.1915



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.5201, 0.3049, 0.2662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6222, 0.2913, 0.1915 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(219, 117, 249)` looks like.

```
.text, #text, p{  
    color:rgb(219, 117, 249)  
}
```

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(219, 117, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 117, 249) }
```

Border

The CSS property to change the border of an element to Yxy 34.6222, 0.2913, 0.1915 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(219, 117, 249) }
```

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

```
.border{ border-color:rgb(219, 117, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 117, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 117, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 117, 249);  
box-shadow:4px 4px 4px 4px rgb(219, 117,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6222, 0.2913, 0.1915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 117, 249) }
```

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

```
.background{ background-color: rgb(219,  
117, 249) }
```

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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