

Converting Colors

$Y_{xy}(51.2370, 0.2969, 0.2365)$

Have a look what the booklet for
Yxy(51.2370, 0.2969, 0.2365)
contains.

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Color

Yxy(51.3154, 0.2967, 0.2367)

Conversions

Conversions Part 1

Format	Color
Hex	E6A6FF
RGB	230, 166, 255
RGB Percent	90%, 65%, 100%
CMY	0.0981, 0.3490, 0.0000
CMYK	0.10, 0.35, 0.00, 0.00
HSL	283°, 100%, 83%
HSV	283°, 35%, 100%
XYZ	64.3231, 51.3154, 101.1566
YIQ	195.2820, 9.5750, 41.2470

Conversions

Conversions Part 2

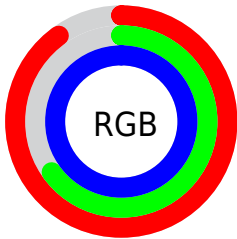
Format	Color
R _Y B	230, 166, 255
Decimal	15116031
CIE Lab	76.87, 38.68, -35.03
CIE LCh	77, 52.187, 317.834
Yxy	51.3154, 0.2967, 0.2367
Android (android.graphics.Color)	4293306111 (0xFFE6A6FF)
YUV	195.2820, 29.4410, 30.4477
Hunter-Lab	71.6348, 34.9199, -33.5800

Details

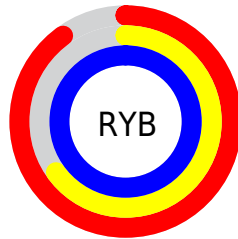
The Yxy color **51.3154, 0.2967, 0.2367** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.3501, 0.3228, 0.4296**, and the grayscale version is **54.5656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **24.7717, 0.2910, 0.2162** is the 20% darker color. If you saturate the color by 10%, you get **41.7840, 0.2904, 0.2097**, and if you desaturate by 10%, it is **62.7323, 0.3023, 0.2642**.

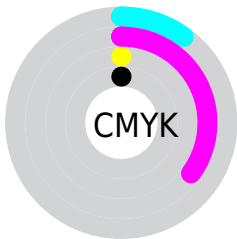
Distribution



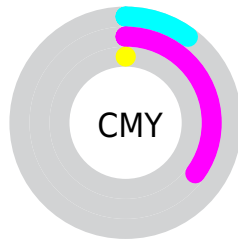
- Red (90%)
- Green (65%)
- Blue (100%)



- Red (90%)
- Yellow (65%)
- Blue (100%)



- Cyan (10%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3154, 0.2967, 0.2367 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 51.3154, 0.2967, 0.2367 by changing the saturation by 10% instead.


 51.3154, 0.2967,
0.2367

 51.3154, 0.2967,
0.2367


391.7879, 0.3056,
0.2785

 36.4597, 0.2943,
0.2275

 92.1208, 0.3001,
0.2510

 24.7894, 0.2912,
0.2163


 118.8393, 0.3013,
0.2566

 15.9202, 0.2871,
0.2024


150.2808, 0.3023,
0.2614

 9.4677, 0.2812,
0.1849

186.8298, 0.3032,
0.2657

 5.0475, 0.2725,
0.1621

228.8706, 0.3039,
0.2695

 2.2752, 0.2589,
0.1320

276.7876, 0.3046,

 0.7605, 0.2356,

0.2728

0.0911

330.9653, 0.3051,
0.2758

0.0000, 0.1943,
0.0000

0.0000, 0.0000,
0.0000

51.3154, 0.2967,
0.2367

51.3154, 0.2967,
0.2367

41.7840, 0.2904,
0.2097

62.7323, 0.3023,
0.2642

34.0299, 0.2835,
0.1841

76.1370, 0.3070,
0.2912

27.9314, 0.2760,
0.1612

91.6225, 0.3110,
0.3169

23.3515, 0.2683,
0.1422

100.0000, 0.3127,
0.3290

■ 20.1310, 0.2606,
0.1278

■ 18.0741, 0.2532,
0.1183

■ 17.3314, 0.2495,
0.1148

Harmonies

Analogous

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



51.3154, 0.2366, 0.2213



51.3154, 0.2967, 0.2367



51.3154, 0.3690, 0.2709

Triad

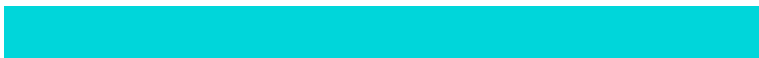
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.3154, 0.2967, 0.2367



51.3154, 0.4340, 0.4210



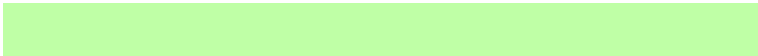
51.3154, 0.2069, 0.3239

Complementary

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



51.3154, 0.2967, 0.2367



85.3501, 0.3228, 0.4296

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.



51.3154, 0.2515, 0.3983



51.3154, 0.2967, 0.2367



51.3154, 0.3826, 0.4549

Square

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



51.3154, 0.2967, 0.2367



51.3154, 0.4532, 0.3707



51.3154, 0.3157, 0.4505



51.3154, 0.1897, 0.2627

Rectangle

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



51.3154, 0.2967, 0.2367



51.3154, 0.4123, 0.3013



51.3154, 0.3157, 0.4505



51.3154, 0.2189, 0.3487

Sweetspot

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



51.3149, 0.2967, 0.2367



83.4622, 0.3091, 0.3040



52.6833, 0.2532, 0.2543



17.4037, 0.3085, 0.3003



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.



51.3149, 0.2967, 0.2367



44.3617, 0.2923, 0.2174



54.5722, 0.3324, 0.2592



18.0289, 0.3093, 0.3053



9.1350, 0.2507, 0.1155



0.9445, 0.2589, 0.1200

Inverse Universe

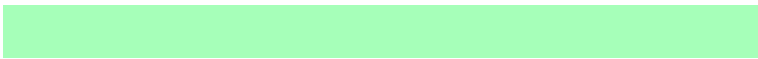
The Inverse Universe completely reimagines the original color for something new.



52.2943, 0.3725, 0.3030



45.6224, 0.3906, 0.2977



83.1418, 0.2979, 0.4109



18.0710, 0.3250, 0.3223



11.3726, 0.5835, 0.2988



1.1250, 0.5515, 0.2812

Previews

White Background



This preview shows how the Yxy color 51.3154, 0.2967, 0.2367 looks on a white background.

Color Contrast Check

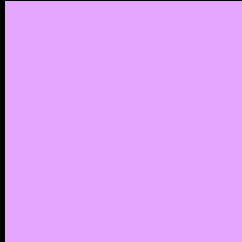
Large Text (above 18pt) WCAG AA × Fail

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 51.3154, 0.2967, 0.2367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

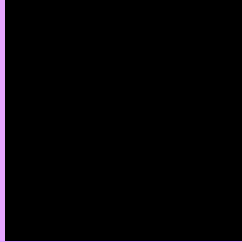
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.3154, 0.2967, 0.2367

Background



This preview shows how black text looks on a background with the Yxy color 51.3154, 0.2967, 0.2367.



This preview shows how white text looks on a background with the Yxy color 51.3154, 0.2967, 0.2367.

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

51.3154, 0.2967, 0.2367

Protanopia

51.7325, 0.2552, 0.2509

Deuteranopia

51.6196, 0.2605, 0.2544



Tritanopia

51.4626, 0.3378, 0.3129

Trichromacy



Original Color

51.3154, 0.2967, 0.2367



Protanomaly

51.0690, 0.2689, 0.2447



Deuteranomaly

50.8706, 0.2728, 0.2469

Tritanomaly

51.0773, 0.3218, 0.2820

Monochromacy



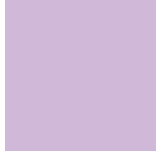
Original Color

51.3154, 0.2967, 0.2367



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.7006, 0.3072, 0.2907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3154, 0.2967, 0.2367 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(230, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 166, 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(230, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.3154, 0.2967, 0.2367 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(230, 166, 255) }
```

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

```
.border{ border-color:rgb(230, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 166, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 166, 255); box-shadow:4px 4px 4px 4px rgb(230, 166, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3154, 0.2967, 0.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 166, 255) }
```

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

```
.background{ background-color: rgb(230,  
166, 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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