

Converting Colors

Yxy(51.4663, 0.2979, 0.2368)

Have a look what the booklet for
Yxy(51.4663, 0.2979, 0.2368)
contains.

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Color

Yxy(51.4814, 0.2975, 0.2370)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E7A6FF |
| RGB | 231, 166, 255 |
| RGB Percent | 91%, 65%, 100% |
| CMY | 0.0943, 0.3489, 0.0001 |
| CMYK | 0.09, 0.35, 0.00, 0.00 |
| HSL | 284°, 100%, 83% |
| HSV | 284°, 35%, 100% |
| XYZ | 64.6233, 51.4814, 101.1164 |
| YIQ | 195.5810, 10.1710, 41.4590 |

Conversions

Conversions Part 2

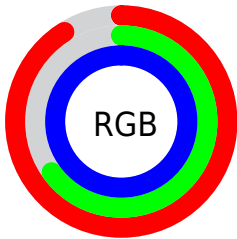
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 231, 166, 255 |
| Decimal | 15181567 |
| CIE _{Lab} | 76.97, 38.93, -34.83 |
| CIE _{LCh} | 77, 52.241, 318.179 |
| Yxy | 51.4814, 0.2975, 0.2370 |
| Android (android.graphics.Color) | 4293371647 (0xFFE7A6FF) |
| YUV | 195.5810, 29.2936, 31.0625 |
| Hunter-Lab | 71.7505, 35.2054, -33.3307 |

Details

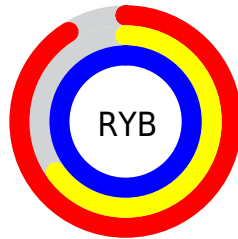
The Yxy color **51.4814, 0.2975, 0.2370** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.2146, 0.3222, 0.4298**, and the grayscale version is **54.7554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **24.8861, 0.2920, 0.2166** is the 20% darker color. If you saturate the color by 10%, you get **41.9882, 0.2915, 0.2101**, and if you desaturate by 10%, it is **62.8617, 0.3028, 0.2644**.

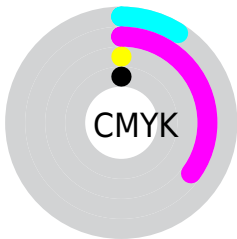
Distribution



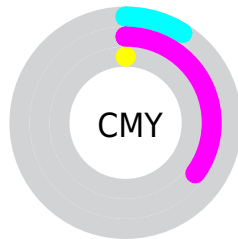
- Red (91%)
- Green (65%)
- Blue (100%)



- Red (91%)
- Yellow (65%)
- Blue (100%)



- Cyan (9%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4814, 0.2975, 0.2370 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 51.4814, 0.2975, 0.2370 by changing the saturation by 10% instead.


 51.4814, 0.2975,
0.2370


 51.4814, 0.2975,
0.2370

392.4312, 0.3060,
0.2786

 36.5919, 0.2952,
0.2278


 92.3660, 0.3007,
0.2512

 24.8917, 0.2922,
0.2167


 119.1298, 0.3019,
0.2568

 15.9964, 0.2882,
0.2028


150.6205, 0.3029,
0.2616

 9.5216, 0.2826,
0.1854


187.2225, 0.3037,
0.2659

 5.0829, 0.2742,
0.1627

229.3202, 0.3044,
0.2696

 2.2960, 0.2609,
0.1328

277.2979, 0.3050,

 0.7716, 0.2381,

0.2730

0.0921

331.5402, 0.3055,
0.2759

0.0000, 0.1987,
0.0000

0.0000, 0.0000,
0.0000

51.4814, 0.2975,
0.2370

51.4814, 0.2975,
0.2370

41.9882, 0.2915,
0.2101

62.8617, 0.3028,
0.2644

34.2659, 0.2848,
0.1847

76.2232, 0.3073,
0.2913

28.1956, 0.2777,
0.1620

91.6615, 0.3111,
0.3170

23.6406, 0.2703,
0.1432

99.9984, 0.3127,
0.3290

■ 20.4417, 0.2629,
0.1290

■ 18.4033, 0.2557,
0.1197

■ 17.6667, 0.2521,
0.1163

Harmonies

Analogous

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



51.4814, 0.2372, 0.2214



51.4814, 0.2975, 0.2370



51.4814, 0.3698, 0.2714

Triad

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



51.4814, 0.2975, 0.2370



51.4814, 0.4336, 0.4215



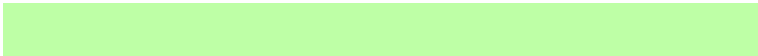
51.4814, 0.2065, 0.3231

Complementary

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



51.4814, 0.2975, 0.2370



85.2146, 0.3222, 0.4298

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.



51.4814, 0.2508, 0.3974



51.4814, 0.2975, 0.2370



51.4814, 0.3819, 0.4551

Square

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



51.4814, 0.2975, 0.2370



51.4814, 0.4532, 0.3713



51.4814, 0.3149, 0.4501



51.4814, 0.1897, 0.2622

Rectangle

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



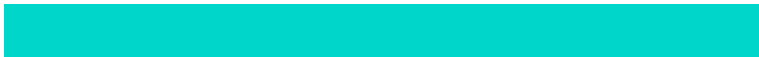
51.4814, 0.2975, 0.2370



51.4814, 0.4130, 0.3019



51.4814, 0.3149, 0.4501



51.4814, 0.2184, 0.3478

Sweetspot

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



51.4836, 0.2975, 0.2370



83.5121, 0.3093, 0.3040



52.6942, 0.2533, 0.2544



17.4159, 0.3087, 0.3004



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.



51.4836, 0.2975, 0.2370



44.5467, 0.2933, 0.2177



54.5802, 0.3324, 0.2593



18.0391, 0.3094, 0.3053



9.3107, 0.2533, 0.1169



0.9604, 0.2612, 0.1213

Inverse Universe

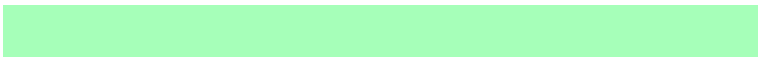
The Inverse Universe completely reimagines the original color for something new.



52.2621, 0.3733, 0.3040



45.5765, 0.3918, 0.2989



83.1306, 0.2979, 0.4108



18.0677, 0.3252, 0.3226



11.3539, 0.5871, 0.3008



1.1228, 0.5552, 0.2832

Previews

White Background



This preview shows how the Yxy color 51.4814, 0.2975, 0.2370 looks on a white background.

Color Contrast Check

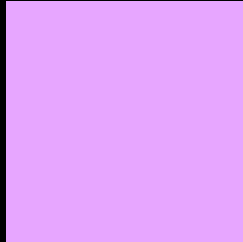
Large Text (above 18pt) WCAG AA × Fail

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 51.4814, 0.2975, 0.2370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

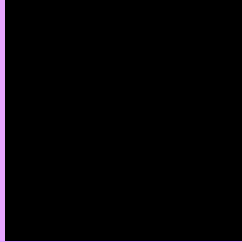
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4814, 0.2975, 0.2370

Background



This preview shows how black text looks on a background with the Yxy color 51.4814, 0.2975, 0.2370.

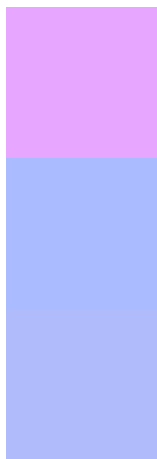


This preview shows how white text looks on a background with the Yxy color 51.4814, 0.2975, 0.2370.

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

51.4814, 0.2975, 0.2370

Protanopia

51.7325, 0.2552, 0.2509

Deuteranopia

51.7358, 0.2612, 0.2545



Tritanopia

51.6201, 0.3387, 0.3129

Trichromacy



Original Color

51.4814, 0.2975, 0.2370



Protanomaly

51.0690, 0.2689, 0.2447



Deuteranomaly

51.0042, 0.2735, 0.2471

Tritanomaly

51.2375, 0.3226, 0.2822

Monochromacy



Original Color

51.4814, 0.2975, 0.2370



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

53.2630, 0.3079, 0.2920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4814, 0.2975, 0.2370 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(231, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.4814, 0.2975, 0.2370 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(231, 166, 255) }
```

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

```
.border{ border-color:rgb(231, 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(231, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 166,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4814, 0.2975, 0.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 166, 255) }
```

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

```
.background{ background-color: rgb(231,  
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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