

Converting Colors

$Y_{xy}(59.3804, 0.2549, 0.1976)$

Have a look what the booklet for
Yxy(59.3804, 0.2549, 0.1976)
contains.

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Color

Yxy(54.5116, 0.2922, 0.2469)

Conversions

Conversions Part 1

Format	Color
Hex	E0B1FF
RGB	224, 177, 255
RGB Percent	88%, 69%, 100%
CMY	0.1216, 0.3059, 0.0000
CMYK	0.12, 0.31, 0.00, 0.00
HSL	276°, 100%, 85%
HSV	276°, 31%, 100%
XYZ	64.5131, 54.5116, 101.7594
YIQ	199.9450, 2.9740, 34.2220

Conversions

Conversions Part 2

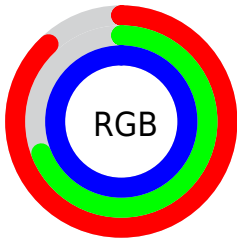
Format	Color
R _Y B	224, 177, 255
Decimal	14725631
CIE Lab	78.76, 30.97, -32.16
CIE LCh	79, 44.648, 313.917
Yxy	54.5116, 0.2922, 0.2469
Android (android.graphics.Color)	4292915711 (0xFFE0B1FF)
YUV	199.9450, 27.1421, 21.0962
Hunter-Lab	73.8320, 26.7643, -30.0345

Details

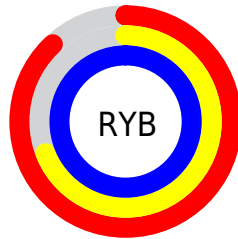
The Yxy color **54.5116, 0.2922, 0.2469** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.1076, 0.3277, 0.4141**, and the grayscale version is **57.5503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7578, 0.3137, 0.3078**, and **26.8174, 0.2863, 0.2288** is the 20% darker color. If you saturate the color by 10%, you get **43.7892, 0.2834, 0.2181**, and if you desaturate by 10%, it is **67.2126, 0.3000, 0.2752**.

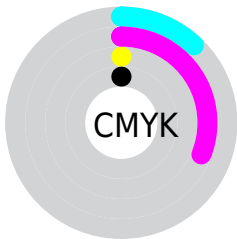
Distribution



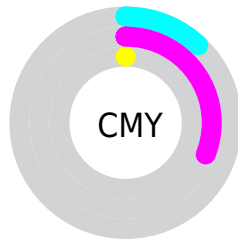
- Red (88%)
- Green (69%)
- Blue (100%)



- Red (88%)
- Yellow (69%)
- Blue (100%)



- Cyan (12%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5116, 0.2922, 0.2469 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 54.5116, 0.2922, 0.2469 by changing the saturation by 10% instead.

 54.5116, 0.2922,
0.2469

 54.5116, 0.2922,
0.2469


404.0579, 0.3029,
0.2842

 39.0108, 0.2895,
0.2386


 96.8250, 0.2961,
0.2597

 26.7682, 0.2860,
0.2285

124.4064, 0.2976,
0.2647

 17.3992, 0.2815,
0.2160


156.7835, 0.2988,
0.2690

 10.5195, 0.2752,
0.2000

194.3407, 0.2999,
0.2728

 5.7447, 0.2661,
0.1791

237.4623, 0.3008,
0.2762

 2.6905, 0.2522,
0.1510

286.5328, 0.3016,

 0.9724, 0.2291,

0.2791

0.1122

341.9365, 0.3023,
0.2818

0.0000, 0.1938,
0.0000

0.0000, 0.0000,
0.0000

54.5116, 0.2922,
0.2469

54.5116, 0.2922,
0.2469

43.7892, 0.2834,
0.2181

67.2126, 0.3000,
0.2752

34.9388, 0.2736,
0.1899

81.9908, 0.3067,
0.3023

27.8433, 0.2631,
0.1635

98.9381, 0.3124,
0.3276

22.3722, 0.2522,
0.1404

100.0000, 0.3127,
0.3290

■ 18.3756, 0.2414,
0.1216

■ 15.6750, 0.2310,
0.1081

■ 14.0504, 0.2220,
0.0996

Harmonies

Analogous

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



54.5116, 0.2427, 0.2362



54.5116, 0.2922, 0.2469



54.5116, 0.3526, 0.2749

Triad

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



54.5116, 0.2922, 0.2469



54.5116, 0.4198, 0.4039



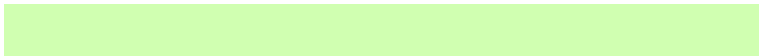
54.5116, 0.2265, 0.3337

Complementary

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



54.5116, 0.2922, 0.2469



88.1076, 0.3277, 0.4141

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.



54.5116, 0.2681, 0.3935



54.5116, 0.2922, 0.2469



54.5116, 0.3800, 0.4330

Square

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



54.5116, 0.2922, 0.2469



54.5116, 0.4303, 0.3607



54.5116, 0.3242, 0.4321



54.5116, 0.2078, 0.2796

Rectangle

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



54.5116, 0.2922, 0.2469



54.5116, 0.3899, 0.3007



54.5116, 0.3242, 0.4321



54.5116, 0.2381, 0.3542

Sweetspot

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



54.5115, 0.2922, 0.2469



84.5314, 0.3077, 0.3064



61.7790, 0.2624, 0.2758



17.5938, 0.3068, 0.3026



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.



54.5115, 0.2922, 0.2469



47.4130, 0.2867, 0.2285



59.4345, 0.3223, 0.2596



17.9189, 0.3074, 0.3051



7.4308, 0.2235, 0.1005



0.7870, 0.2343, 0.1064

Inverse Universe

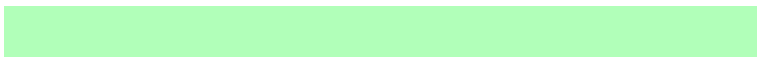
The Inverse Universe completely reimagines the original color for something new.



57.2618, 0.3546, 0.2971



50.7126, 0.3669, 0.2901



84.3624, 0.3044, 0.4100



18.1067, 0.3231, 0.3196



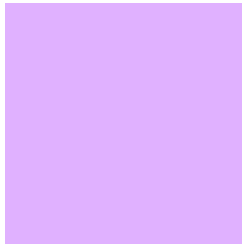
11.6314, 0.5394, 0.2745



1.1533, 0.5091, 0.2578

Previews

White Background



This preview shows how the Yxy color 54.5116, 0.2922, 0.2469 looks on a white background.

Color Contrast Check

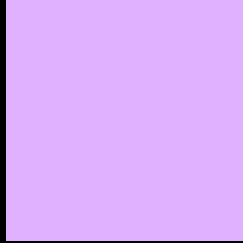
Large Text (above 18pt) WCAG AA × Fail

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 54.5116, 0.2922, 0.2469 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 54.5116, 0.2922, 0.2469

Background



This preview shows how black text looks on a background with the Yxy color 54.5116, 0.2922, 0.2469.

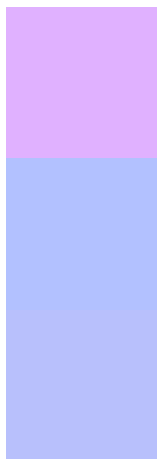


This preview shows how white text looks on a background with the Yxy color 54.5116, 0.2922, 0.2469.

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

54.5116, 0.2922, 0.2469

Protanopia

54.8249, 0.2610, 0.2579

Deuteranopia

54.9179, 0.2665, 0.2605



Tritanopia

54.4038, 0.3251, 0.3117

Trichromacy



Original Color

54.5116, 0.2922, 0.2469



Protanomaly

54.3627, 0.2716, 0.2532



Deuteranomaly

54.7746, 0.2757, 0.2557

Tritanomaly

54.1475, 0.3131, 0.2864

Monochromacy



Original Color

54.5116, 0.2922, 0.2469



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

56.4219, 0.3056, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5116, 0.2922, 0.2469 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(224, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 177, 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(224, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 177, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.5116, 0.2922, 0.2469 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(224, 177, 255) }
```

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

```
.border{ border-color:rgb(224, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 177,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5116, 0.2922, 0.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 177, 255) }
```

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

```
.background{ background-color: rgb(224,  
177, 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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