

Converting Colors

$Y_{xy}(68.9574, 0.2205, 0.1494)$

Have a look what the booklet for
Yxy(68.9574, 0.2205, 0.1494)
contains.

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Color

Yxy(54.7029, 0.2968, 0.2460)

Conversions

Conversions Part 1

Format	Color
Hex	E6AFFF
RGB	230, 175, 255
RGB Percent	90%, 69%, 100%
CMY	0.0982, 0.3136, 0.0001
CMYK	0.10, 0.31, 0.00, 0.00
HSL	281°, 100%, 84%
HSV	281°, 31%, 100%
XYZ	65.9993, 54.7029, 101.6673
YIQ	200.5650, 7.1000, 36.5400

Conversions

Conversions Part 2

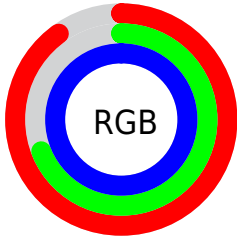
Format	Color
R _Y B	230, 175, 255
Decimal	15118335
CIE _{Lab}	78.87, 33.84, -31.91
CIE _{LCh}	79, 46.514, 316.680
Yxy	54.7029, 0.2968, 0.2460
Android (android.graphics.Color)	4293308415 (0xFFE6AFFF)
YUV	200.5650, 26.8365, 25.8145
Hunter-Lab	73.9614, 29.8515, -29.7270

Details

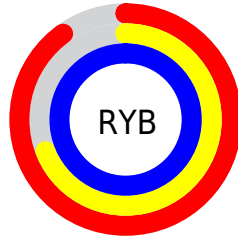
The Yxy color **54.7029, 0.2968, 0.2460** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.8872, 0.3237, 0.4177**, and the grayscale version is **57.9532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6318, 0.3138, 0.3058**, and **26.9950, 0.2923, 0.2280** is the 20% darker color. If you saturate the color by 10%, you get **44.4077, 0.2900, 0.2183**, and if you desaturate by 10%, it is **66.9371, 0.3028, 0.2737**.

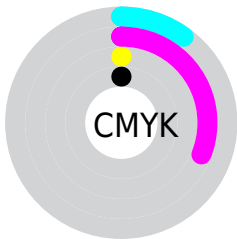
Distribution



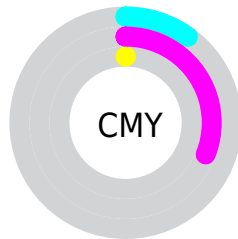
- Red (90%)
- Green (69%)
- Blue (100%)



- Red (90%)
- Yellow (69%)
- Blue (100%)



- Cyan (10%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.7029, 0.2968, 0.2460 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 54.7029, 0.2968, 0.2460 by changing the saturation by 10% instead.

 54.7029, 0.2968,
0.2460

 54.7029, 0.2968,
0.2460


404.7847, 0.3053,
0.2836

 39.1639, 0.2946,
0.2377


 97.1055, 0.3000,
0.2588

 26.8873, 0.2917,
0.2276

124.7379, 0.3012,
0.2639

 17.4886, 0.2879,
0.2150


157.1703, 0.3021,
0.2683

 10.5834, 0.2826,
0.1991

194.7869, 0.3030,
0.2721

 5.7875, 0.2748,
0.1782

237.9723, 0.3037,
0.2755

 2.7163, 0.2627,
0.1503

287.1108, 0.3043,

 0.9855, 0.2421,

0.2785

0.1118

342.5868, 0.3049,
0.2812

0.0000, 0.2142,
0.0000

0.0000, 0.0000,
0.0000

54.7029, 0.2968,
0.2460

54.7029, 0.2968,
0.2460

44.4077, 0.2900,
0.2183

66.9371, 0.3028,
0.2737

35.9379, 0.2824,
0.1915

81.2014, 0.3079,
0.3004

29.1789, 0.2742,
0.1669

97.5898, 0.3122,
0.3257

23.9997, 0.2656,
0.1458

99.9985, 0.3127,
0.3290

■ 20.2499, 0.2570,
0.1290

■ 17.7490, 0.2486,
0.1172

■ 16.3538, 0.2417,
0.1105

Harmonies

Analogous

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



54.7029, 0.2440, 0.2331



54.7029, 0.2968, 0.2460



54.7029, 0.3598, 0.2763

Triad

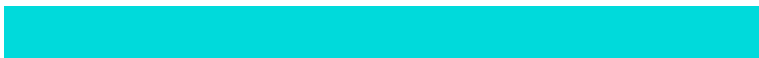
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



54.7029, 0.2968, 0.2460



54.7029, 0.4211, 0.4100



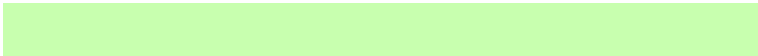
54.7029, 0.2204, 0.3278

Complementary

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



54.7029, 0.2968, 0.2460



86.8872, 0.3237, 0.4177

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.



54.7029, 0.2614, 0.3911



54.7029, 0.2968, 0.2460



54.7029, 0.3774, 0.4386

Square

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



54.7029, 0.2968, 0.2460



54.7029, 0.4356, 0.3658



54.7029, 0.3187, 0.4345



54.7029, 0.2036, 0.2733

Rectangle

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



54.7029, 0.2968, 0.2460



54.7029, 0.3977, 0.3035



54.7029, 0.3187, 0.4345



54.7029, 0.2316, 0.3492

Sweetspot

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



54.7052, 0.2968, 0.2460



84.8846, 0.3090, 0.3065



57.8042, 0.2602, 0.2663



17.6810, 0.3083, 0.3028



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.



54.7052, 0.2968, 0.2460



47.6634, 0.2924, 0.2275



58.2366, 0.3278, 0.2639



17.9986, 0.3088, 0.3052



8.6299, 0.2430, 0.1112



0.8984, 0.2520, 0.1162

Inverse Universe

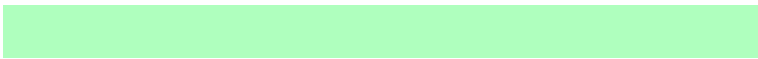
The Inverse Universe completely reimagines the original color for something new.



56.0987, 0.3620, 0.3031



49.3970, 0.3770, 0.2975



84.3262, 0.3007, 0.4044



18.0807, 0.3245, 0.3216



11.4335, 0.5722, 0.2926



1.1320, 0.5402, 0.2750

Previews

White Background



This preview shows how the Yxy color 54.7029, 0.2968, 0.2460 looks on a white background.

Color Contrast Check

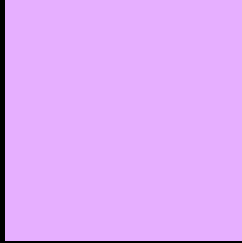
Large Text (above 18pt) WCAG AA × Fail

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 54.7029, 0.2968, 0.2460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

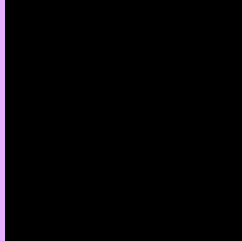
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.7029, 0.2968, 0.2460

Background



This preview shows how black text looks on a background with the Yxy color 54.7029, 0.2968, 0.2460.

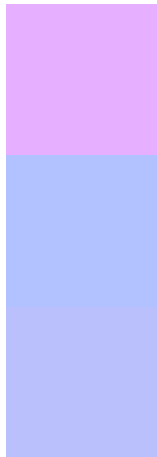


This preview shows how white text looks on a background with the Yxy color 54.7029, 0.2968, 0.2460.

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

54.7029, 0.2968, 0.2460

Protanopia

54.8249, 0.2610, 0.2579

Deuteranopia

55.0418, 0.2672, 0.2606



Tritanopia

54.8175, 0.3319, 0.3131

Trichromacy



Original Color

54.7029, 0.2968, 0.2460



Protanomaly

54.2081, 0.2729, 0.2523



Deuteranomaly

54.6272, 0.2770, 0.2549

Tritanomaly

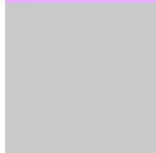
54.6308, 0.3188, 0.2870

Monochromacy



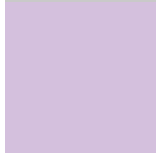
Original Color

54.7029, 0.2968, 0.2460



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

56.9168, 0.3072, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7029, 0.2968, 0.2460 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, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 175, 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, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.7029, 0.2968, 0.2460 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, 175, 255) }
```

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

```
.border{ border-color:rgb(230, 175, 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, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7029, 0.2968, 0.2460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 175, 255) }
```

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

```
.background{ background-color: rgb(230,  
175, 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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