

Converting Colors

Yxy(50.9107, 0.2996, 0.2347)

Have a look what the booklet for
Yxy(50.9107, 0.2996, 0.2347)
contains.

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Color

Yxy(50.9068, 0.2999, 0.2346)

Conversions

Conversions Part 1

Format	Color
Hex	EAA3FF
RGB	234, 163, 255
RGB Percent	92%, 64%, 100%
CMY	0.0824, 0.3607, 0.0000
CMYK	0.08, 0.36, 0.00, 0.00
HSL	286°, 100%, 82%
HSV	286°, 36%, 100%
XYZ	65.0765, 50.9068, 101.0107
YIQ	194.7170, 12.7840, 43.6640

Conversions

Conversions Part 2

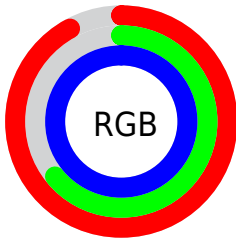
Format	Color
R_{YB}	234, 163, 255
Decimal	15377407
CIE _{Lab}	76.62, 41.45, -35.36
CIE _{LCh}	77, 54.489, 319.532
Yxy	50.9068, 0.2999, 0.2346
Android (android.graphics.Color)	4293567487 (0xFFEAA3FF)
YUV	194.7170, 29.7195, 34.4512
Hunter-Lab	71.3490, 37.9468, -33.9942

Details

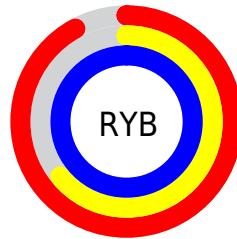
The Yxy color **50.9068, 0.2999, 0.2346** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.3578, 0.3201, 0.4345**, and the grayscale version is **54.2112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1430, 0.3144, 0.2940**, and **24.5762, 0.2951, 0.2140** is the 20% darker color. If you saturate the color by 10%, you get **41.7774, 0.2949, 0.2084**, and if you desaturate by 10%, it is **61.8973, 0.3043, 0.2615**.

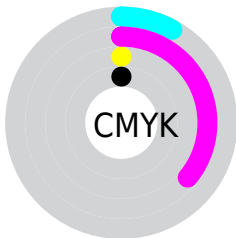
Distribution



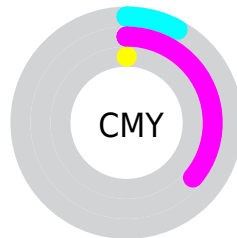
- Red (92%)
- Green (64%)
- Blue (100%)



- Red (92%)
- Yellow (64%)
- Blue (100%)



- Cyan (8%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9068, 0.2999, 0.2346 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 50.9068, 0.2999, 0.2346 by changing the saturation by 10% instead.


 50.9068, 0.2999,
0.2346


 50.9068, 0.2999,
0.2346


390.2016, 0.3074,
0.2772

 36.1344, 0.2978,
0.2252


 91.5170, 0.3028,
0.2491

 24.5380, 0.2951,
0.2138


 118.1236, 0.3038,
0.2549

 15.7332, 0.2914,
0.1997


149.4438, 0.3047,
0.2598

 9.3356, 0.2862,
0.1820

185.8619, 0.3054,
0.2642

 4.9607, 0.2783,
0.1590

227.7623, 0.3060,
0.2680

 2.2242, 0.2656,
0.1287

275.5295, 0.3065,

 0.7332, 0.2437,

0.2714

0.0876

329.5478, 0.3070,
0.2745

0.0000, 0.2056,
0.0000

0.0000, 0.0000,
0.0000

50.9068, 0.2999,
0.2346

50.9068, 0.2999,
0.2346

41.7774, 0.2949,
0.2084

61.8973, 0.3043,
0.2615

34.3937, 0.2894,
0.1841

74.8456, 0.3080,
0.2882

28.6347, 0.2834,
0.1627

89.8472, 0.3111,
0.3140

24.3617, 0.2772,
0.1453

100.0000, 0.3127,
0.3290

■ 21.4122, 0.2710,
0.1325

■ 19.5849, 0.2649,
0.1244

■ 19.0571, 0.2626,
0.1220

Harmonies

Analogous

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



50.9068, 0.2362, 0.2174



50.9068, 0.2999, 0.2346



50.9068, 0.3757, 0.2709

Triad

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



50.9068, 0.2999, 0.2346



50.9068, 0.4367, 0.4269



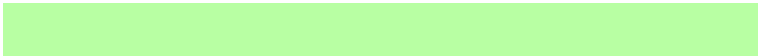
50.9068, 0.2006, 0.3190

Complementary

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



50.9068, 0.2999, 0.2346



84.3578, 0.3201, 0.4345

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.



50.9068, 0.2452, 0.3975



50.9068, 0.2999, 0.2346



50.9068, 0.3814, 0.4616

Square

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



50.9068, 0.2999, 0.2346



50.9068, 0.4595, 0.3748



50.9068, 0.3112, 0.4550



50.9068, 0.1847, 0.2567

Rectangle

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



50.9068, 0.2999, 0.2346



50.9068, 0.4203, 0.3028



50.9068, 0.3112, 0.4550



50.9068, 0.2124, 0.3448

Sweetspot

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



50.9084, 0.2999, 0.2346



82.1958, 0.3097, 0.3015



49.4860, 0.2502, 0.2457



17.1617, 0.3092, 0.2980



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.



50.9084, 0.2999, 0.2346



44.3933, 0.2965, 0.2163



53.1976, 0.3371, 0.2611



18.0789, 0.3101, 0.3053



10.0281, 0.2636, 0.1226



1.0250, 0.2704, 0.1263

Inverse Universe

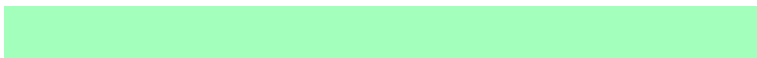
The Inverse Universe completely reimagines the original color for something new.



50.9196, 0.3800, 0.3072



44.5352, 0.3995, 0.3030



82.9187, 0.2951, 0.4085



18.0550, 0.3258, 0.3236



11.2883, 0.6001, 0.3079



1.1149, 0.5692, 0.2909

Previews

White Background



This preview shows how the Yxy color 50.9068, 0.2999, 0.2346 looks on a white background.

Color Contrast Check

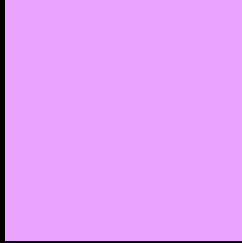
Large Text (above 18pt) WCAG AA × Fail

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 50.9068, 0.2999, 0.2346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

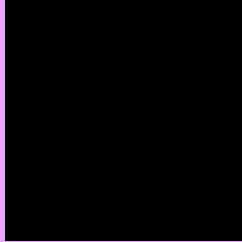
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.9068, 0.2999, 0.2346

Background



This preview shows how black text looks on a background with the Yxy color 50.9068, 0.2999, 0.2346.



This preview shows how white text looks on a background with the Yxy color 50.9068, 0.2999, 0.2346.

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

50.9068, 0.2999, 0.2346

Protanopia

51.1957, 0.2544, 0.2496

Deuteranopia

51.0815, 0.2597, 0.2530



Tritanopia

50.7759, 0.3444, 0.3130

Trichromacy



Original Color

50.9068, 0.2999, 0.2346



Protanomaly

50.3982, 0.2694, 0.2426



Deuteranomaly

50.6048, 0.2734, 0.2459

Tritanomaly

50.4748, 0.3271, 0.2813

Monochromacy



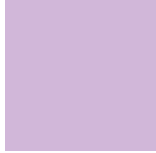
Original Color

50.9068, 0.2999, 0.2346



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.4320, 0.3080, 0.2897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9068, 0.2999, 0.2346 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(234, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 163, 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(234, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.9068, 0.2999, 0.2346 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(234, 163, 255) }
```

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

```
.border{ border-color:rgb(234, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 163,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9068, 0.2999, 0.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 163, 255) }
```

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

```
.background{ background-color: rgb(234,  
163, 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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