

Converting Colors

$Y_{xy}(58.0077, 0.2945, 0.2553)$

Have a look what the booklet for
Yxy(58.0077, 0.2945, 0.2553)
contains.

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Color

Yxy(57.8319, 0.2946, 0.2548)

Conversions

Conversions Part 1

Format	Color
Hex	E3B8FF
RGB	227, 184, 255
RGB Percent	89%, 72%, 100%
CMY	0.1099, 0.2784, 0.0000
CMYK	0.11, 0.28, 0.00, 0.00
HSL	276°, 100%, 86%
HSV	276°, 28%, 100%
XYZ	66.8653, 57.8319, 102.2726
YIQ	204.9510, 2.8370, 31.1970

Conversions

Conversions Part 2

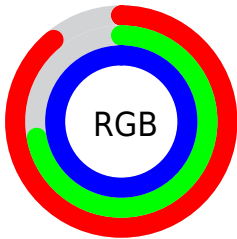
Format	Color
R_{YB}	227, 184, 255
Decimal	14924031
CIE _{Lab}	80.65, 28.12, -29.24
CIE _{LCh}	81, 40.563, 313.879
Yxy	57.8319, 0.2946, 0.2548
Android (android.graphics.Color)	4293114111 (0xFFE3B8FF)
YUV	204.9510, 24.6742, 19.3370
Hunter-Lab	76.0473, 23.8651, -26.5034

Details

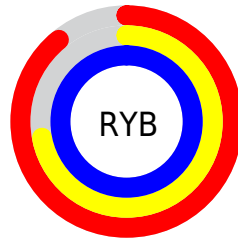
The Yxy color **57.8319, 0.2946, 0.2548** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.9848, 0.3264, 0.4057**, and the grayscale version is **60.8547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8002, 0.3134, 0.3146**, and **28.9677, 0.2895, 0.2389** is the 20% darker color. If you saturate the color by 10%, you get **46.5855, 0.2861, 0.2261**, and if you desaturate by 10%, it is **71.0842, 0.3021, 0.2828**.

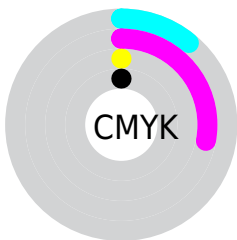
Distribution



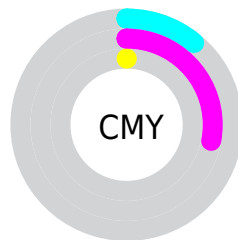
- Red (89%)
- Green (72%)
- Blue (100%)



- Red (89%)
- Yellow (72%)
- Blue (100%)



- Cyan (11%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8319, 0.2946, 0.2548 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 57.8319, 0.2946, 0.2548 by changing the saturation by 10% instead.

 57.8319, 0.2946,
0.2548

 57.8319, 0.2946,
0.2548

416.5593, 0.3039,
0.2884

 41.6735, 0.2923,
0.2473

 101.6780, 0.2980,
0.2663

 28.8457, 0.2893,
0.2382


130.1346, 0.2993,
0.2708

 18.9642, 0.2854,
0.2269


163.4593, 0.3003,
0.2747

 11.6444, 0.2800,
0.2125

202.0366, 0.3013,
0.2782

 6.5020, 0.2724,
0.1935

246.2508, 0.3021,
0.2812

 3.1527, 0.2606,
0.1677

296.4864, 0.3028,

 1.2120, 0.2411,

0.2839

0.1315

353.1278, 0.3034,
0.2863

0.0714, 0.2172,
0.0206

0.0000, 0.0000,
0.0000

57.8319, 0.2946,
0.2548

57.8319, 0.2946,
0.2548

46.5855, 0.2861,
0.2261

71.0842, 0.3021,
0.2828

37.2396, 0.2766,
0.1976

86.4379, 0.3084,
0.3094

29.6808, 0.2664,
0.1707

100.0000, 0.3127,
0.3290

23.7825, 0.2556,
0.1466

■ 19.4012, 0.2448,
0.1265

■ 16.3675, 0.2344,
0.1116

■ 14.4559, 0.2246,
0.1017

■ 14.1202, 0.2226,
0.1000

Harmonies

Analogous

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



57.8319, 0.2499, 0.2453



57.8319, 0.2946, 0.2548



57.8319, 0.3484, 0.2803

Triad

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



57.8319, 0.2946, 0.2548



57.8319, 0.4087, 0.3969



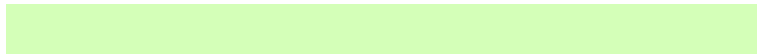
57.8319, 0.2355, 0.3337

Complementary

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



57.8319, 0.2946, 0.2548



88.9848, 0.3264, 0.4057

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.



57.8319, 0.2733, 0.3860



57.8319, 0.2946, 0.2548



57.8319, 0.3735, 0.4219

Square

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



57.8319, 0.2946, 0.2548



57.8319, 0.4175, 0.3584



57.8319, 0.3237, 0.4200



57.8319, 0.2182, 0.2855

Rectangle

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



57.8319, 0.2946, 0.2548



57.8319, 0.3814, 0.3038



57.8319, 0.3237, 0.4200



57.8319, 0.2460, 0.3517

Sweetspot

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



57.8323, 0.2946, 0.2548



86.1719, 0.3083, 0.3090



64.7031, 0.2672, 0.2813



17.9215, 0.3074, 0.3051



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.



57.8323, 0.2946, 0.2548



51.7827, 0.2904, 0.2400



62.3176, 0.3213, 0.2658



17.9215, 0.3074, 0.3051



7.4671, 0.2241, 0.1008



0.7904, 0.2349, 0.1068

Inverse Universe

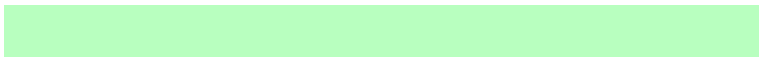
The Inverse Universe completely reimagines the original color for something new.



60.3021, 0.3499, 0.3003



54.6926, 0.3593, 0.2947



85.4785, 0.3051, 0.4016



18.1059, 0.3232, 0.3196



11.6240, 0.5405, 0.2751



1.1526, 0.5102, 0.2584

Previews

White Background



This preview shows how the Yxy color 57.8319, 0.2946, 0.2548 looks on a white background.

Color Contrast Check

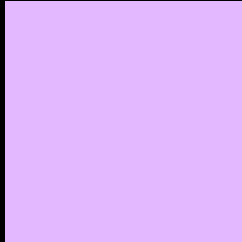
Large Text (above 18pt) WCAG AA × Fail

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 57.8319, 0.2946, 0.2548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

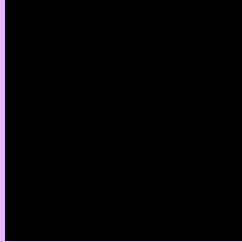
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.8319, 0.2946, 0.2548

Background



This preview shows how black text looks on a background with the Yxy color 57.8319, 0.2946, 0.2548.

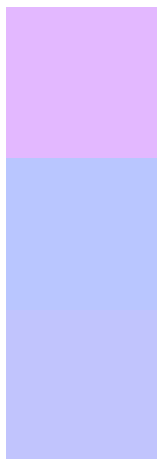


This preview shows how white text looks on a background with the Yxy color 57.8319, 0.2946, 0.2548.

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

57.8319, 0.2946, 0.2548

Protanopia

57.9225, 0.2661, 0.2646

Deuteranopia

57.9092, 0.2723, 0.2652



Tritanopia

57.9096, 0.3232, 0.3121

Trichromacy



Original Color

57.8319, 0.2946, 0.2548



Protanomaly

57.6393, 0.2756, 0.2607



Deuteranomaly

57.8342, 0.2796, 0.2612



Tritanomaly

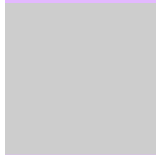
57.9511, 0.3129, 0.2905

Monochromacy



Original Color

57.8319, 0.2946, 0.2548



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

59.4064, 0.3064, 0.2997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8319, 0.2946, 0.2548 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(227, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 184, 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(227, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 184, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.8319, 0.2946, 0.2548 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(227, 184, 255) }
```

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

```
.border{ border-color:rgb(227, 184, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 184,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8319, 0.2946, 0.2548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 184, 255) }
```

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

```
.background{ background-color: rgb(227,  
184, 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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