

Converting Colors

Yxy(78.4833, 0.2341, 0.1881)

Have a look what the booklet for
Yxy(78.4833, 0.2341, 0.1881)
contains.

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Color

Yxy(68.0144, 0.2943, 0.2791)

Conversions

Conversions Part 1

Format	Color
Hex	E2CFFF
RGB	226, 207, 255
RGB Percent	89%, 81%, 100%
CMY	0.1139, 0.1882, 0.0000
CMYK	0.11, 0.19, 0.00, 0.00
HSL	264°, 100%, 91%
HSV	264°, 19%, 100%
XYZ	71.7185, 68.0144, 103.9590
YIQ	218.1530, -4.0840, 18.9560

Conversions

Conversions Part 2

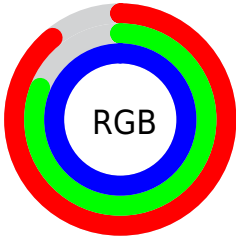
Format	Color
R _Y B	226, 207, 255
Decimal	14864383
CIE Lab	86.01, 15.48, -21.05
CIE LCh	86, 26.134, 306.335
Yxy	68.0144, 0.2943, 0.2791
Android (android.graphics.Color)	4293054463 (0xFFE2CFFF)
YUV	218.1530, 18.1656, 6.8818
Hunter-Lab	82.4708, 10.9037, -17.0087

Details

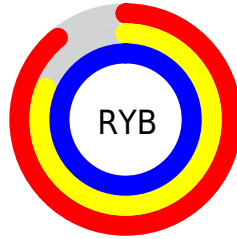
The Yxy color **68.0144, 0.2943, 0.2791** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.8677, 0.3287, 0.3780**, and the grayscale version is **70.0953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.4057, 0.2895, 0.2686** is the 20% darker color. If you saturate the color by 10%, you get **54.2586, 0.2823, 0.2495**, and if you desaturate by 10%, it is **83.9952, 0.3047, 0.3067**.

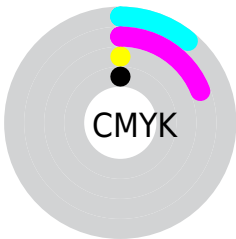
Distribution



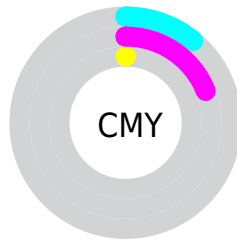
- Red (89%)
- Green (81%)
- Blue (100%)



- Red (89%)
- Yellow (81%)
- Blue (100%)



- Cyan (11%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0144, 0.2943, 0.2791 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 68.0144, 0.2943, 0.2791 by changing the saturation by 10% instead.

68.0144, 0.2943,
0.2791

68.0144, 0.2943,
0.2791

453.5470, 0.3031,
0.3017

49.9095, 0.2922,
0.2741

116.3727, 0.2974,
0.2868

35.3415, 0.2896,
0.2679

147.3949, 0.2986,
0.2899

23.9260, 0.2863,
0.2603

183.4916, 0.2996,
0.2925

15.2788, 0.2819,
0.2505

225.0473, 0.3005,
0.2948

9.0153, 0.2758,
0.2375

272.4463, 0.3013,
0.2968

4.7511, 0.2668,
0.2195

326.0729, 0.3020,

2.1020, 0.2525,

0.2986

0.1931

386.3117, 0.3026,
0.3002

0.6657, 0.2280,
0.1485

0.0000, 0.0000,
0.0000

68.0144, 0.2943,
0.2791

68.0144, 0.2943,
0.2791

54.2586, 0.2823,
0.2495

83.9952, 0.3047,
0.3067

42.6185, 0.2689,
0.2184

100.0000, 0.3127,
0.3290

32.9872, 0.2542,
0.1870

25.2449, 0.2387,
0.1566

■ 19.2587, 0.2230,
0.1292

■ 14.8775, 0.2080,
0.1063

■ 11.9233, 0.1945,
0.0894

■ 10.1407, 0.1830,
0.0786

■ 9.9690, 0.1818,
0.0775

Harmonies

Analogous

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



68.0144, 0.2681, 0.2766



68.0144, 0.2943, 0.2791



68.0144, 0.3268, 0.2933

Triad

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



68.0144, 0.2943, 0.2791



68.0144, 0.3747, 0.3674



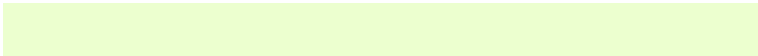
68.0144, 0.2698, 0.3407

Complementary

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



68.0144, 0.2943, 0.2791



93.8677, 0.3287, 0.3780

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.



68.0144, 0.2966, 0.3691



68.0144, 0.2943, 0.2791



68.0144, 0.3576, 0.3837

Square

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



68.0144, 0.2943, 0.2791



68.0144, 0.3746, 0.3425



68.0144, 0.3288, 0.3852



68.0144, 0.2546, 0.3103

Rectangle

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



68.0144, 0.2943, 0.2791



68.0144, 0.3476, 0.3077



68.0144, 0.3288, 0.3852



68.0144, 0.2777, 0.3510

Sweetspot

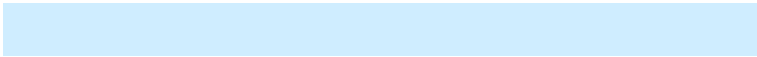
The Sweet Spot groups the original color and five complimentary colors.



68.0169, 0.2943, 0.2791



88.9098, 0.3074, 0.3140



80.8287, 0.2833, 0.3096



18.7829, 0.3068, 0.3123



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.



68.0169, 0.2943, 0.2791



61.9971, 0.2895, 0.2669



72.0676, 0.3109, 0.2815



17.7276, 0.3041, 0.3049



5.2895, 0.1834, 0.0784



0.5762, 0.1959, 0.0853

Inverse Universe

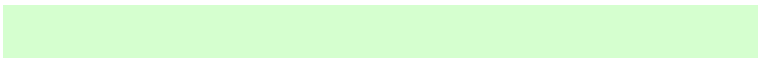
The Inverse Universe completely reimagines the original color for something new.



71.9531, 0.3282, 0.3001



66.7151, 0.3324, 0.2933



90.1145, 0.3137, 0.3803



18.1717, 0.3199, 0.3147



12.3635, 0.4523, 0.2265



1.2253, 0.4332, 0.2160

Previews

White Background



This preview shows how the Yxy color 68.0144, 0.2943, 0.2791 looks on a white background.

Color Contrast Check

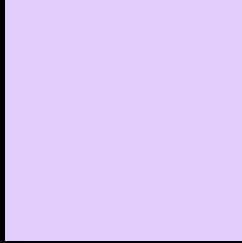
Large Text (above 18pt) WCAG AA × Fail

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 68.0144, 0.2943, 0.2791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

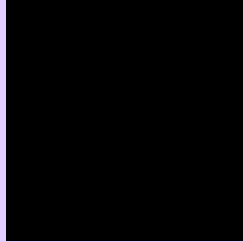
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0144, 0.2943, 0.2791

Background



This preview shows how black text looks on a background with the Yxy color 68.0144, 0.2943, 0.2791.

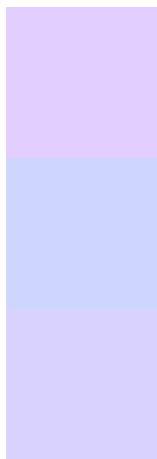


This preview shows how white text looks on a background with the Yxy color 68.0144, 0.2943, 0.2791.

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

68.0144, 0.2943, 0.2791

Protanopia

67.9303, 0.2811, 0.2838

Deuteranopia

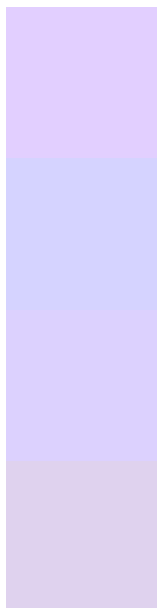
68.0007, 0.2889, 0.2824



Tritanopia

68.2180, 0.3092, 0.3117

Trichromacy



Original Color

68.0144, 0.2943, 0.2791

Protanomaly

67.9547, 0.2856, 0.2822

Deuteranomaly

67.9723, 0.2909, 0.2816

Tritanomaly

67.9542, 0.3033, 0.2990

Monochromacy



Original Color

68.0144, 0.2943, 0.2791

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.2348, 0.3064, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0144, 0.2943, 0.2791 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(226, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 207, 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(226, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.0144, 0.2943, 0.2791 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(226, 207, 255) }
```

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

```
.border{ border-color:rgb(226, 207, 255) }
```

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

Here you see how a box with a 4 pixel rgb(226, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0144, 0.2943, 0.2791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 207, 255) }
```

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

```
.background{ background-color: rgb(226,  
207, 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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