

Converting Colors

Yxy(67.8943, 0.2963, 0.2781)

Have a look what the booklet for
Yxy(67.8943, 0.2963, 0.2781)
contains.

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Color

Yxy(68.0206, 0.2964, 0.2783)

Conversions

Conversions Part 1

Format	Color
Hex	E5CEFF
RGB	229, 206, 255
RGB Percent	90%, 81%, 100%
CMY	0.1019, 0.1922, 0.0000
CMYK	0.10, 0.19, 0.00, 0.00
HSL	268°, 100%, 90%
HSV	268°, 19%, 100%
XYZ	72.4445, 68.0206, 103.9496
YIQ	218.4630, -2.0210, 20.1150

Conversions

Conversions Part 2

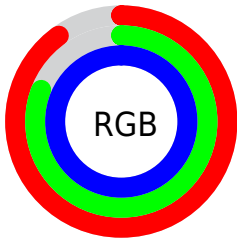
Format	Color
R _Y B	229, 206, 255
Decimal	15060735
CIE Lab	86.02, 17.00, -21.04
CIE LCh	86, 27.052, 308.939
Yxy	68.0206, 0.2964, 0.2783
Android (android.graphics.Color)	4293250815 (0xFFE5CEFF)
YUV	218.4630, 18.0127, 9.2409
Hunter-Lab	82.4746, 12.4613, -16.9959

Details

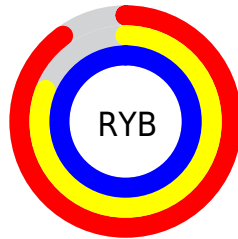
The Yxy color $68.0206, 0.2964, 0.2783$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.1262, 0.3266, 0.3794$, and the grayscale version is $70.3228, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.4179, 0.2922, 0.2677$ is the 20% darker color. If you saturate the color by 10%, you get $54.5860, 0.2860, 0.2492$, and if you desaturate by 10%, it is $83.6208, 0.3055, 0.3057$.

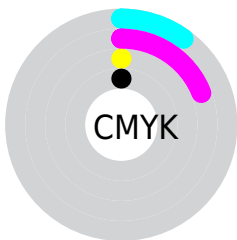
Distribution



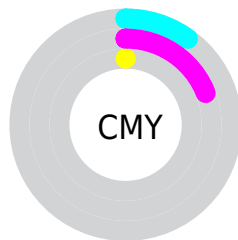
- Red (90%)
- Green (81%)
- Blue (100%)



- Red (90%)
- Yellow (81%)
- Blue (100%)



- Cyan (10%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0206, 0.2964, 0.2783 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 68.0206, 0.2964, 0.2783 by changing the saturation by 10% instead.

68.0206, 0.2964,
0.2783

68.0206, 0.2964,
0.2783

453.5690, 0.3043,
0.3012

49.9145, 0.2945,
0.2732

116.3816, 0.2992,
0.2861

35.3455, 0.2922,
0.2670

147.4053, 0.3003,
0.2892

23.9291, 0.2892,
0.2593

183.5037, 0.3012,
0.2919

15.2810, 0.2852,
0.2494

225.0611, 0.3020,
0.2942

9.0169, 0.2796,
0.2363

272.4619, 0.3027,
0.2963

4.7522, 0.2714,
0.2182

326.0906, 0.3033,

2.1026, 0.2582,

0.2981

0.1917

386.3315, 0.3038,
0.2997

0.6661, 0.2354,
0.1471

0.0000, 0.0000,
0.0000

68.0206, 0.2964,
0.2783

68.0206, 0.2964,
0.2783

54.5860, 0.2860,
0.2492

83.6208, 0.3055,
0.3057

43.2159, 0.2741,
0.2189

100.0000, 0.3127,
0.3290

33.8028, 0.2612,
0.1885

26.2288, 0.2473,
0.1595

■ 20.3627, 0.2332,
0.1334

■ 16.0551, 0.2195,
0.1118

■ 13.1293, 0.2068,
0.0957

■ 11.3211, 0.1955,
0.0853

■ 11.2020, 0.1947,
0.0846

Harmonies

Analogous

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



68.0206, 0.2685, 0.2745



68.0206, 0.2964, 0.2783



68.0206, 0.3302, 0.2938

Triad

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



68.0206, 0.2964, 0.2783



68.0206, 0.3760, 0.3705



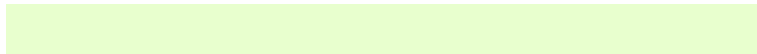
68.0206, 0.2664, 0.3383

Complementary

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



68.0206, 0.2964, 0.2783



93.1262, 0.3266, 0.3794

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.



68.0206, 0.2933, 0.3685



68.0206, 0.2964, 0.2783



68.0206, 0.3569, 0.3865

Square

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



68.0206, 0.2964, 0.2783



68.0206, 0.3776, 0.3453



68.0206, 0.3264, 0.3865



68.0206, 0.2519, 0.3071

Rectangle

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



68.0206, 0.2964, 0.2783



68.0206, 0.3514, 0.3091



68.0206, 0.3264, 0.3865



68.0206, 0.2742, 0.3490

Sweetspot

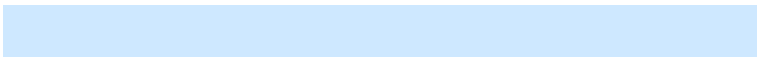
The Sweet Spot groups the original color and five complimentary colors.



68.0210, 0.2964, 0.2783



89.1180, 0.3082, 0.3141



78.1270, 0.2824, 0.3047



18.8321, 0.3076, 0.3124



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.



68.0210, 0.2964, 0.2783



62.6916, 0.2926, 0.2675



72.3104, 0.3138, 0.2809



17.7963, 0.3053, 0.3050



5.9405, 0.1964, 0.0855



0.6428, 0.2088, 0.0924

Inverse Universe

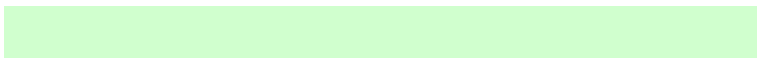
The Inverse Universe completely reimagines the original color for something new.



71.2232, 0.3313, 0.3030



66.4681, 0.3358, 0.2976



89.3316, 0.3112, 0.3819



18.1480, 0.3211, 0.3165



12.0556, 0.4837, 0.2438



1.1959, 0.4600, 0.2308

Previews

White Background



This preview shows how the Yxy color 68.0206, 0.2964, 0.2783 looks on a white background.

Color Contrast Check

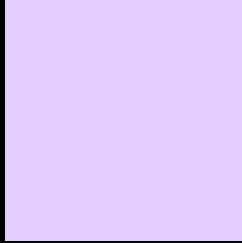
Large Text (above 18pt) WCAG AA × Fail

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 68.0206, 0.2964, 0.2783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

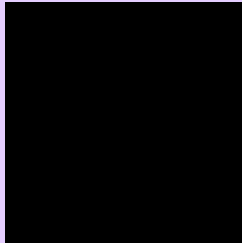
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0206, 0.2964, 0.2783

Background



This preview shows how black text looks on a background with the Yxy color 68.0206, 0.2964, 0.2783.

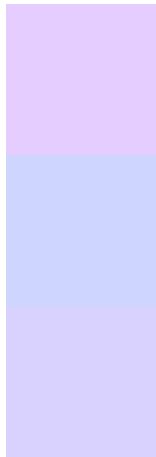


This preview shows how white text looks on a background with the Yxy color 68.0206, 0.2964, 0.2783.

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

68.0206, 0.2964, 0.2783

Protanopia

67.9303, 0.2811, 0.2838

Deuteranopia

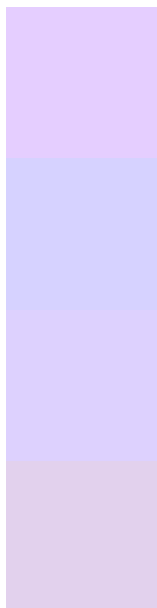
68.0007, 0.2889, 0.2824



Tritanopia

68.1421, 0.3121, 0.3117

Trichromacy



Original Color

68.0206, 0.2964, 0.2783

Protanomaly

67.6093, 0.2862, 0.2812

Deuteranomaly

68.1288, 0.2916, 0.2817

Tritanomaly

67.8841, 0.3061, 0.2992

Monochromacy



Original Color

68.0206, 0.2964, 0.2783

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.3923, 0.3071, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0206, 0.2964, 0.2783 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(229, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 206, 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(229, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.0206, 0.2964, 0.2783 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(229, 206, 255) }
```

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

```
.border{ border-color:rgb(229, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0206, 0.2964, 0.2783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 206, 255) }
```

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

```
.background{ background-color: rgb(229,  
206, 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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