

Converting Colors

Yxy(68.3796, 0.2845, 0.2633)

Have a look what the booklet for
Yxy(68.3796, 0.2845, 0.2633)
contains.

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Color

Yxy(67.5314, 0.2943, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	E2CEFF
RGB	226, 206, 255
RGB Percent	89%, 81%, 100%
CMY	0.1137, 0.1922, 0.0000
CMYK	0.11, 0.19, 0.00, 0.00
HSL	265°, 100%, 90%
HSV	265°, 19%, 100%
XYZ	71.4910, 67.5314, 103.8963
YIQ	217.5660, -3.8090, 19.4790

Conversions

Conversions Part 2

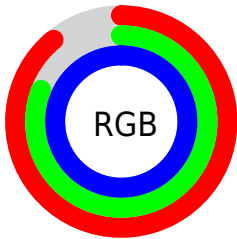
Format	Color
R _Y B	226, 206, 255
Decimal	14864127
CIE Lab	85.77, 16.05, -21.43
CIE LCh	86, 26.772, 306.824
Yxy	67.5314, 0.2943, 0.2780
Android (android.graphics.Color)	4293054207 (0xFFE2CEFF)
YUV	217.5660, 18.4550, 7.3966
Hunter-Lab	82.1775, 11.4769, -17.4356

Details

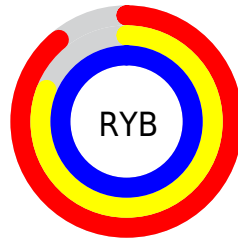
The Yxy color **67.5314, 0.2943, 0.2780** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.6360, 0.3286, 0.3791**, and the grayscale version is **69.6705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.0797, 0.2895, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **53.9022, 0.2826, 0.2484**, and if you desaturate by 10%, it is **83.3690, 0.3046, 0.3056**.

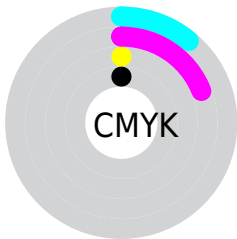
Distribution



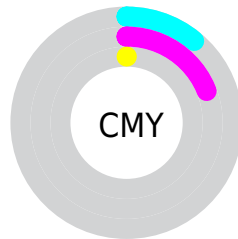
- Red (89%)
- Green (81%)
- Blue (100%)



- 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 67.5314, 0.2943, 0.2780 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 67.5314, 0.2943, 0.2780 by changing the saturation by 10% instead.


 67.5314, 0.2943,
0.2780

 67.5314, 0.2943,
0.2780


451.8340, 0.3031,
0.3011

 49.5166, 0.2922,
0.2729


115.6815, 0.2974,
0.2859

 35.0295, 0.2896,
0.2666


146.5856, 0.2986,
0.2890

 23.6856, 0.2863,
0.2588


182.5550, 0.2997,
0.2917

 15.1005, 0.2818,
0.2487

223.9740, 0.3005,
0.2940

 8.8900, 0.2756,
0.2355

271.2269, 0.3013,
0.2961

 4.6695, 0.2666,
0.2171

324.6983, 0.3020,

 2.0547, 0.2521,

0.2979

0.1902

384.7725, 0.3026,
0.2996

0.6390, 0.2273,
0.1440

0.0000, 0.0000,
0.0000

67.5314, 0.2943,
0.2780

67.5314, 0.2943,
0.2780

53.9022, 0.2826,
0.2484

83.3690, 0.3046,
0.3056

42.3767, 0.2694,
0.2174

100.0000, 0.3127,
0.3290

32.8465, 0.2549,
0.1862

25.1919, 0.2397,
0.1562

■ 19.2797, 0.2243,
0.1291

■ 14.9587, 0.2095,
0.1066

■ 12.0499, 0.1962,
0.0900

■ 10.2868, 0.1848,
0.0794

■ 10.1720, 0.1839,
0.0787

Harmonies

Analogous

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



67.5314, 0.2673, 0.2752



67.5314, 0.2943, 0.2780



67.5314, 0.3277, 0.2927

Triad

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



67.5314, 0.2943, 0.2780



67.5314, 0.3763, 0.3687



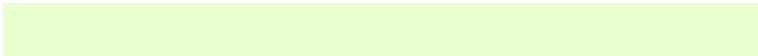
67.5314, 0.2683, 0.3405

Complementary

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



67.5314, 0.2943, 0.2780



93.6360, 0.3286, 0.3791

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.



67.5314, 0.2957, 0.3699



67.5314, 0.2943, 0.2780



67.5314, 0.3583, 0.3853

Square

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



67.5314, 0.2943, 0.2780



67.5314, 0.3764, 0.3433



67.5314, 0.3286, 0.3866



67.5314, 0.2529, 0.3093

Rectangle

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



67.5314, 0.2943, 0.2780



67.5314, 0.3491, 0.3075



67.5314, 0.3286, 0.3866



67.5314, 0.2763, 0.3511

Sweetspot

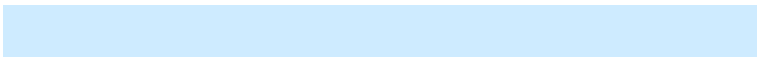
The Sweet Spot groups the original color and five complimentary colors.



67.5325, 0.2943, 0.2780



88.9473, 0.3075, 0.3140



79.9871, 0.2826, 0.3082



18.7918, 0.3070, 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.



67.5325, 0.2943, 0.2780



62.1211, 0.2900, 0.2670



71.7042, 0.3114, 0.2806



17.7399, 0.3043, 0.3049



5.3971, 0.1856, 0.0796



0.5874, 0.1982, 0.0865

Inverse Universe

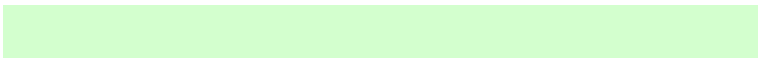
The Inverse Universe completely reimagines the original color for something new.



71.3991, 0.3291, 0.3001



66.6700, 0.3330, 0.2941



89.8100, 0.3133, 0.3815



18.1674, 0.3201, 0.3150



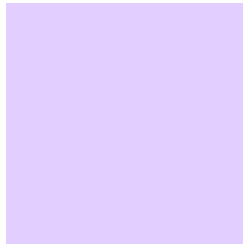
12.3042, 0.4579, 0.2296



1.2197, 0.4379, 0.2186

Previews

White Background



This preview shows how the Yxy color 67.5314, 0.2943, 0.2780 looks on a white background.

Color Contrast Check

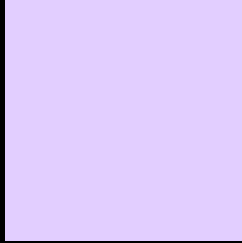
Large Text (above 18pt) WCAG AA × Fail

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 67.5314, 0.2943, 0.2780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

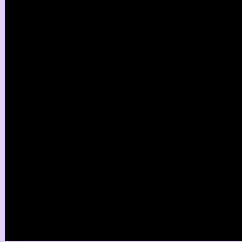
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

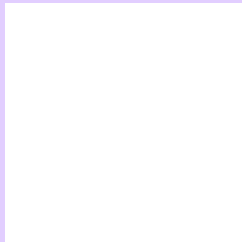
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.5314, 0.2943, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 67.5314, 0.2943, 0.2780.

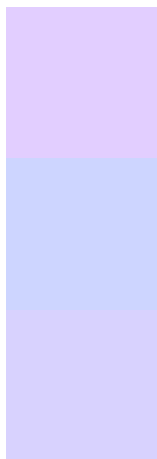


This preview shows how white text looks on a background with the Yxy color 67.5314, 0.2943, 0.2780.

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

67.5314, 0.2943, 0.2780

Protanopia

67.7876, 0.2805, 0.2837

Deuteranopia

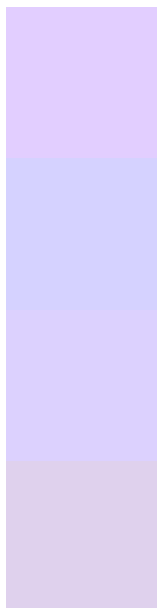
67.8479, 0.2882, 0.2823



Tritanopia

67.6642, 0.3099, 0.3116

Trichromacy



Original Color

67.5314, 0.2943, 0.2780

Protanomaly

67.4593, 0.2856, 0.2811

Deuteranomaly

67.9723, 0.2909, 0.2816

Tritanomaly

67.4033, 0.3039, 0.2990

Monochromacy



Original Color

67.5314, 0.2943, 0.2780

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 67.5314, 0.2943, 0.2780 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, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.5314, 0.2943, 0.2780 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, 206, 255) }
```

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

```
.border{ border-color:rgb(226, 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(226, 206, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5314, 0.2943, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 206, 255) }
```

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

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