

Converting Colors

$Yxy(67.6717, 0.2949, 0.2781)$

Have a look what the booklet for
Yxy(67.6717, 0.2949, 0.2781)
contains.

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Color

Yxy(67.6935, 0.2950, 0.2781)

Conversions

Conversions Part 1

Format	Color
Hex	E3CEFF
RGB	227, 206, 255
RGB Percent	89%, 81%, 100%
CMY	0.1097, 0.1922, 0.0000
CMYK	0.11, 0.19, 0.00, 0.00
HSL	266°, 100%, 90%
HSV	266°, 19%, 100%
XYZ	71.8072, 67.6935, 103.9135
YIQ	217.8650, -3.2130, 19.6910

Conversions

Conversions Part 2

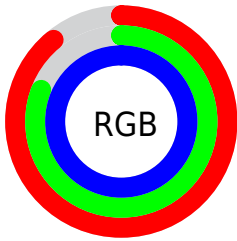
Format	Color
R _Y B	227, 206, 255
Decimal	14929663
CIE Lab	85.85, 16.36, -21.30
CIE LCh	86, 26.862, 307.534
Yxy	67.6935, 0.2950, 0.2781
Android (android.graphics.Color)	4293119743 (0xFFE3CEFF)
YUV	217.8650, 18.3076, 8.0114
Hunter-Lab	82.2761, 11.8044, -17.2892

Details

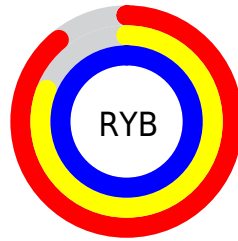
The Yxy color $67.6935, 0.2950, 0.2781$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.4648, 0.3279, 0.3792$, and the grayscale version is $69.8877, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.1916, 0.2904, 0.2674$ is the 20% darker color. If you saturate the color by 10%, you get $54.1281, 0.2837, 0.2487$, and if you desaturate by 10%, it is $83.4526, 0.3049, 0.3057$.

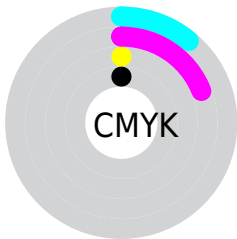
Distribution



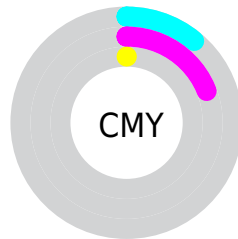
- Red (89%)
- Green (81%)
- Blue (100%)



- 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 67.6935, 0.2950, 0.2781 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 67.6935, 0.2950, 0.2781 by changing the saturation by 10% instead.

67.6935, 0.2950,
0.2781

67.6935, 0.2950,
0.2781

452.4093, 0.3035,
0.3011

49.6484, 0.2930,
0.2730

115.9136, 0.2980,
0.2860

35.1341, 0.2905,
0.2667

146.8573, 0.2992,
0.2891

23.7662, 0.2872,
0.2589

182.8695, 0.3002,
0.2917

15.1603, 0.2829,
0.2490

224.3344, 0.3010,
0.2941

8.9320, 0.2770,
0.2357

271.6364, 0.3018,
0.2962

4.6968, 0.2682,
0.2174

325.1600, 0.3024,

2.0705, 0.2541,

0.2980

0.1907

385.2895, 0.3030,
0.2996

0.6480, 0.2300,
0.1450

0.0000, 0.0000,
0.0000

67.6935, 0.2950,
0.2781

67.6935, 0.2950,
0.2781

54.1281, 0.2837,
0.2487

83.4526, 0.3049,
0.3057

42.6529, 0.2709,
0.2179

100.0000, 0.3127,
0.3290

33.1599, 0.2570,
0.1870

25.5298, 0.2422,
0.1573

■ 19.6304, 0.2272,
0.1305

■ 15.3111, 0.2128,
0.1083

■ 12.3936, 0.1996,
0.0919

■ 10.6124, 0.1882,
0.0813

■ 10.4960, 0.1874,
0.0806

Harmonies

Analogous

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



67.6935, 0.2677, 0.2750



67.6935, 0.2950, 0.2781



67.6935, 0.3285, 0.2931

Triad

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



67.6935, 0.2950, 0.2781



67.6935, 0.3762, 0.3693



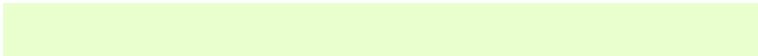
67.6935, 0.2676, 0.3397

Complementary

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



67.6935, 0.2950, 0.2781



93.4648, 0.3279, 0.3792

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.



67.6935, 0.2949, 0.3694



67.6935, 0.2950, 0.2781



67.6935, 0.3579, 0.3857

Square

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



67.6935, 0.2950, 0.2781



67.6935, 0.3768, 0.3439



67.6935, 0.3279, 0.3866



67.6935, 0.2526, 0.3085

Rectangle

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



67.6935, 0.2950, 0.2781



67.6935, 0.3498, 0.3081



67.6935, 0.3279, 0.3866



67.6935, 0.2756, 0.3504

Sweetspot

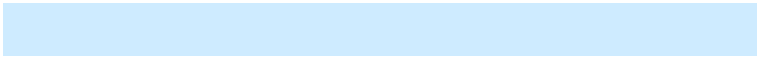
The Sweet Spot groups the original color and five complimentary colors.



67.6944, 0.2950, 0.2781



89.0042, 0.3077, 0.3140



79.5186, 0.2825, 0.3074



18.8052, 0.3072, 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.



67.6944, 0.2950, 0.2781



62.3102, 0.2909, 0.2672



71.8543, 0.3120, 0.2807



17.7587, 0.3046, 0.3049



5.5684, 0.1891, 0.0815



0.6051, 0.2016, 0.0884

Inverse Universe

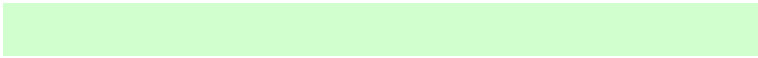
The Inverse Universe completely reimagines the original color for something new.



71.3399, 0.3298, 0.3010



66.6021, 0.3339, 0.2953



89.6893, 0.3127, 0.3816



18.1609, 0.3204, 0.3155



12.2174, 0.4664, 0.2343



1.2115, 0.4452, 0.2226

Previews

White Background



This preview shows how the Yxy color 67.6935, 0.2950, 0.2781 looks on a white background.

Color Contrast Check

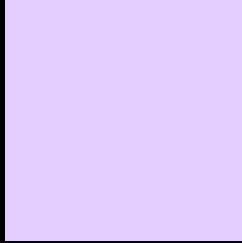
Large Text (above 18pt) WCAG AA × Fail

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 67.6935, 0.2950, 0.2781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

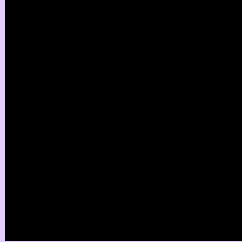
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.6935, 0.2950, 0.2781

Background



This preview shows how black text looks on a background with the Yxy color 67.6935, 0.2950, 0.2781.



This preview shows how white text looks on a background with the Yxy color 67.6935, 0.2950, 0.2781.

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

67.6935, 0.2950, 0.2781

Protanopia

67.9303, 0.2811, 0.2838

Deuteranopia

67.8479, 0.2882, 0.2823



Tritanopia

67.8226, 0.3106, 0.3117

Trichromacy



Original Color

67.6935, 0.2950, 0.2781

Protanomaly

67.6093, 0.2862, 0.2812

Deuteranomaly

67.9723, 0.2909, 0.2816

Tritanomaly

67.5626, 0.3046, 0.2991

Monochromacy



Original Color

67.6935, 0.2950, 0.2781

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 67.6935, 0.2950, 0.2781 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, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.6935, 0.2950, 0.2781 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, 206, 255) }
```

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

```
.border{ border-color:rgb(227, 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(227, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6935, 0.2950, 0.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 206, 255) }
```

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

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