

Converting Colors

$Y_{xy}(70.4334, 0.2950, 0.2841)$

Have a look what the booklet for
Yxy(70.4334, 0.2950, 0.2841)
contains.

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Color

Yxy(70.6379, 0.2951, 0.2845)

Conversions

Conversions Part 1

Format	Color
Hex	E3D4FF
RGB	227, 212, 255
RGB Percent	89%, 83%, 100%
CMY	0.1098, 0.1686, 0.0000
CMYK	0.11, 0.17, 0.00, 0.00
HSL	261°, 100%, 92%
HSV	261°, 17%, 100%
XYZ	73.2698, 70.6379, 104.3802
YIQ	221.3870, -4.8630, 16.5530

Conversions

Conversions Part 2

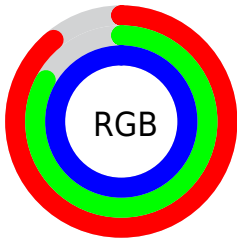
Format	Color
R _Y B	227, 212, 255
Decimal	14931199
CIE Lab	87.31, 13.16, -19.09
CIE LCh	87, 23.183, 304.589
Yxy	70.6379, 0.2951, 0.2845
Android (android.graphics.Color)	4293121279 (0xFFE3D4FF)
YUV	221.3870, 16.5712, 4.9226
Hunter-Lab	84.0464, 8.5312, -14.8020

Details

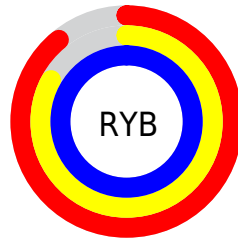
The Yxy color **70.6379, 0.2951, 0.2845** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.8019, 0.3283, 0.3724**, and the grayscale version is **72.4774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8491, 0.2906, 0.2742** is the 20% darker color. If you saturate the color by 10%, you get **56.3099, 0.2825, 0.2549**, and if you desaturate by 10%, it is **87.2456, 0.3061, 0.3118**.

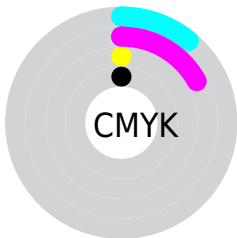
Distribution



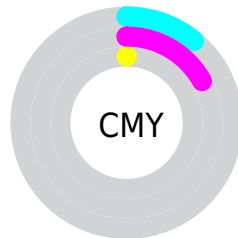
- Red (89%)
- Green (83%)
- Blue (100%)



- Red (89%)
- Yellow (83%)
- Blue (100%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6379, 0.2951, 0.2845 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 70.6379, 0.2951, 0.2845 by changing the saturation by 10% instead.

 70.6379, 0.2951,
0.2845

 70.6379, 0.2951,
0.2845


462.7866, 0.3034,
0.3046

 52.0468, 0.2932,
0.2800


120.1180, 0.2980,
0.2914

 37.0423, 0.2907,
0.2746


151.7757, 0.2992,
0.2941

 25.2403, 0.2877,
0.2678


188.5578, 0.3001,
0.2964

 16.2562, 0.2836,
0.2590

230.8485, 0.3010,
0.2985

 9.7056, 0.2780,
0.2475

279.0324, 0.3017,
0.3003

 5.2042, 0.2698,
0.2314

333.4938, 0.3024,

 2.3676, 0.2570,

0.3019

0.2078

394.6171, 0.3029,
0.3033

■ 0.8091, 0.2344,
0.1700

■ 0.0000, 0.0363,
0.0000

■ 70.6379, 0.2951,
0.2845

■ 70.6379, 0.2951,
0.2845

■ 56.3099, 0.2825,
0.2549

■ 87.2456, 0.3061,
0.3118

■ 44.1513, 0.2683,
0.2236

100.0000, 0.3127,
0.3290

■ 34.0555, 0.2528,
0.1915

■ 25.9034, 0.2364,
0.1602

■ 19.5629, 0.2198,
0.1313

■ 14.8853, 0.2040,
0.1069

■ 11.6966, 0.1898,
0.0884

■ 9.7785, 0.1781,
0.0765

■ 9.3378, 0.1748,
0.0737

Harmonies

Analogous

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



70.6379, 0.2724, 0.2831



70.6379, 0.2951, 0.2845



70.6379, 0.3235, 0.2965

Triad

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



70.6379, 0.2951, 0.2845



70.6379, 0.3675, 0.3618



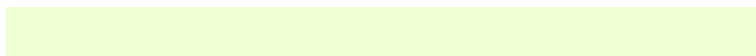
70.6379, 0.2762, 0.3409

Complementary

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



70.6379, 0.2951, 0.2845



94.8019, 0.3283, 0.3724

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.



70.6379, 0.3003, 0.3651



70.6379, 0.2951, 0.2845



70.6379, 0.3534, 0.3765

Square

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



70.6379, 0.2951, 0.2845



70.6379, 0.3663, 0.3398



70.6379, 0.3286, 0.3783



70.6379, 0.2619, 0.3143

Rectangle

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



70.6379, 0.2951, 0.2845



70.6379, 0.3419, 0.3091



70.6379, 0.3286, 0.3783



70.6379, 0.2833, 0.3497

Sweetspot

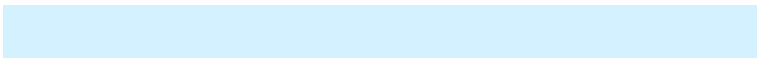
The Sweet Spot groups the original color and five complimentary colors.



70.6408, 0.2951, 0.2845



90.5917, 0.3080, 0.3166



83.9333, 0.2865, 0.3140



19.1176, 0.3073, 0.3148



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.



70.6408, 0.2951, 0.2845



65.8999, 0.2913, 0.2754



74.2374, 0.3096, 0.2864



17.6856, 0.3033, 0.3048



4.9538, 0.1764, 0.0746



0.5404, 0.1887, 0.0813

Inverse Universe

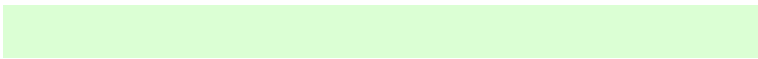
The Inverse Universe completely reimagines the original color for something new.



74.6433, 0.3250, 0.3013



70.5733, 0.3277, 0.2959



91.3609, 0.3150, 0.3742



18.1865, 0.3192, 0.3136



12.5791, 0.4336, 0.2163



1.2455, 0.4174, 0.2073

Previews

White Background



This preview shows how the Yxy color 70.6379, 0.2951, 0.2845 looks on a white background.

Color Contrast Check

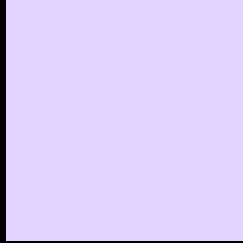
Large Text (above 18pt) WCAG AA × Fail

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 70.6379, 0.2951, 0.2845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

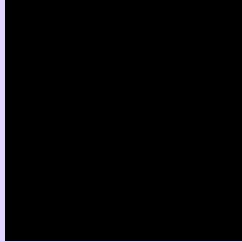
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6379, 0.2951, 0.2845

Background



This preview shows how black text looks on a background with the Yxy color 70.6379, 0.2951, 0.2845.

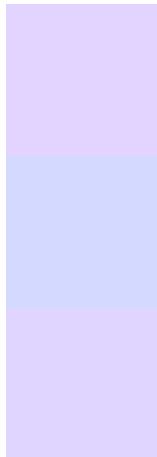


This preview shows how white text looks on a background with the Yxy color 70.6379, 0.2951, 0.2845.

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

70.6379, 0.2951, 0.2845

Protanopia

70.6946, 0.2846, 0.2885

Deuteranopia

70.4965, 0.2924, 0.2852



Tritanopia

70.6829, 0.3064, 0.3108

Trichromacy



Original Color

70.6379, 0.2951, 0.2845

Protanomaly

70.5726, 0.2884, 0.2868

Deuteranomaly

70.6558, 0.2931, 0.2853

Tritanomaly

70.7990, 0.3020, 0.3014

Monochromacy



Original Color

70.6379, 0.2951, 0.2845

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.7140, 0.3064, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6379, 0.2951, 0.2845 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, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 212, 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, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.6379, 0.2951, 0.2845 is called "border". The border property can be set on classes, ids or directly on the HTML element.

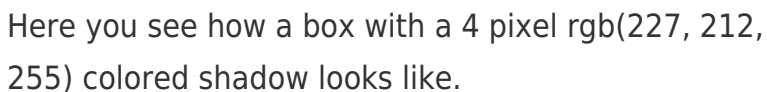
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 212, 255) }
```

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

```
.border{ border-color:rgb(227, 212, 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, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 212, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 212, 255); box-shadow:4px 4px 4px 4px rgb(227, 212, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6379, 0.2951, 0.2845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 212, 255) }
```

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

```
.background{ background-color: rgb(227,  
212, 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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