

Converting Colors

$Y_{xy}(69.0353, 0.2980, 0.2800)$

Have a look what the booklet for
Yxy(69.0353, 0.2980, 0.2800)
contains.

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Color

Yxy(68.8346, 0.2978, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	E7CFFF
RGB	231, 207, 255
RGB Percent	91%, 81%, 100%
CMY	0.0942, 0.1882, 0.0000
CMYK	0.09, 0.19, 0.00, 0.00
HSL	270°, 100%, 91%
HSV	270°, 19%, 100%
XYZ	73.3152, 68.8346, 104.0397
YIQ	219.6480, -1.1040, 20.0160

Conversions

Conversions Part 2

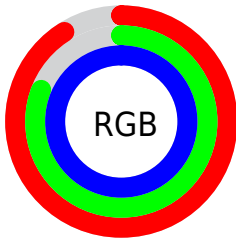
Format	Color
R_{YB}	231, 207, 255
Decimal	15192063
CIE _{Lab}	86.42, 17.08, -20.40
CIE _{LCh}	86, 26.604, 309.934
Yxy	68.8346, 0.2978, 0.2796
Android (android.graphics.Color)	4293382143 (0xFFE7CFFF)
YUV	219.6480, 17.4285, 9.9557
Hunter-Lab	82.9666, 12.5438, -16.2727

Details

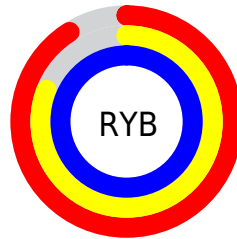
The Yxy color **68.8346, 0.2978, 0.2796** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.0184, 0.3254, 0.3785**, and the grayscale version is **71.1891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9736, 0.2940, 0.2694** is the 20% darker color. If you saturate the color by 10%, you get **55.4154, 0.2880, 0.2507**, and if you desaturate by 10%, it is **84.4081, 0.3063, 0.3068**.

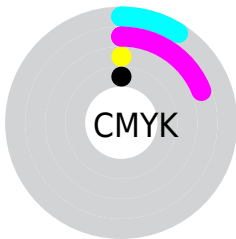
Distribution



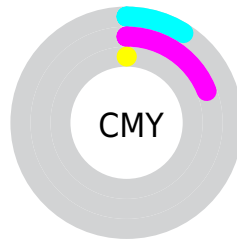
- Red (91%)
- Green (81%)
- Blue (100%)



- Red (91%)
- Yellow (81%)
- Blue (100%)



- Cyan (9%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8346, 0.2978, 0.2796 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 68.8346, 0.2978, 0.2796 by changing the saturation by 10% instead.

68.8346, 0.2978,
0.2796

68.8346, 0.2978,
0.2796

456.4474, 0.3050,
0.3019

50.5770, 0.2961,
0.2747

117.5453, 0.3004,
0.2872

35.8721, 0.2940,
0.2686

148.7672, 0.3013,
0.2902

24.3354, 0.2912,
0.2611

185.0794, 0.3022,
0.2928

15.5826, 0.2875,
0.2515

226.8661, 0.3029,
0.2951

9.2293, 0.2824,
0.2388

274.5119, 0.3035,
0.2971

4.8910, 0.2749,
0.2212

328.4011, 0.3041,

2.1835, 0.2628,

0.2988

0.1956

388.9182, 0.3046,
0.3004

0.7110, 0.2414,
0.1535

0.0000, 0.0390,
0.0000

68.8346, 0.2978,
0.2796

68.8346, 0.2978,
0.2796

55.4154, 0.2880,
0.2507

84.4081, 0.3063,
0.3068

44.0454, 0.2769,
0.2208

100.0000, 0.3127,
0.3290

34.6197, 0.2647,
0.1909

27.0216, 0.2517,
0.1622

■ 21.1212, 0.2382,
0.1365

■ 16.7708, 0.2250,
0.1151

■ 13.7958, 0.2126,
0.0992

■ 11.9448, 0.2016,
0.0888

■ 11.7625, 0.2003,
0.0877

Harmonies

Analogous

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



68.8346, 0.2701, 0.2755



68.8346, 0.2978, 0.2796



68.8346, 0.3310, 0.2952

Triad

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



68.8346, 0.2978, 0.2796



68.8346, 0.3744, 0.3704



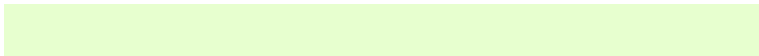
68.8346, 0.2666, 0.3370

Complementary

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



68.8346, 0.2978, 0.2796



93.0184, 0.3254, 0.3785

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.



68.8346, 0.2927, 0.3668



68.8346, 0.2978, 0.2796



68.8346, 0.3552, 0.3856

Square

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



68.8346, 0.2978, 0.2796



68.8346, 0.3765, 0.3459



68.8346, 0.3250, 0.3849



68.8346, 0.2529, 0.3067

Rectangle

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



68.8346, 0.2978, 0.2796



68.8346, 0.3516, 0.3103



68.8346, 0.3250, 0.3849



68.8346, 0.2742, 0.3476

Sweetspot

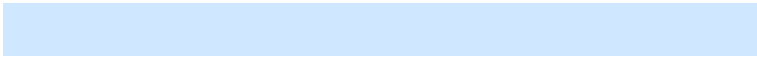
The Sweet Spot groups the original color and five complimentary colors.



68.8367, 0.2978, 0.2796



89.2004, 0.3084, 0.3141



78.0900, 0.2830, 0.3044



18.8515, 0.3080, 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.



68.8367, 0.2978, 0.2796



62.9703, 0.2939, 0.2677



72.9588, 0.3143, 0.2820



17.8235, 0.3057, 0.3050



6.2349, 0.2020, 0.0886



0.6720, 0.2142, 0.0954

Inverse Universe

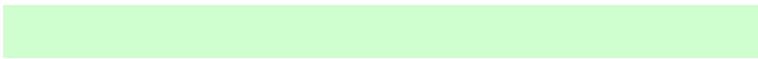
The Inverse Universe completely reimagines the original color for something new.



71.6611, 0.3319, 0.3050



66.3724, 0.3371, 0.2993



89.4077, 0.3108, 0.3807



18.1387, 0.3215, 0.3172



11.9479, 0.4963, 0.2507



1.1854, 0.4709, 0.2367

Previews

White Background



This preview shows how the Yxy color 68.8346, 0.2978, 0.2796 looks on a white background.

Color Contrast Check

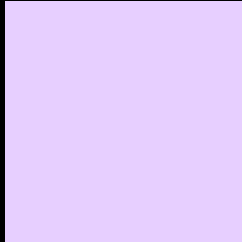
Large Text (above 18pt) WCAG AA × Fail

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 68.8346, 0.2978, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

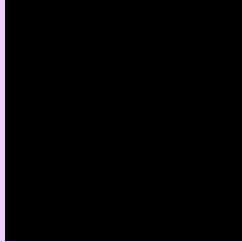
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

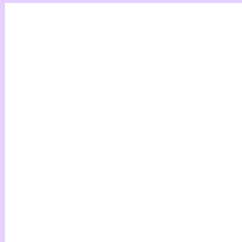
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.8346, 0.2978, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 68.8346, 0.2978, 0.2796.

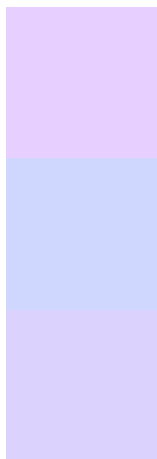


This preview shows how white text looks on a background with the Yxy color 68.8346, 0.2978, 0.2796.

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

68.8346, 0.2978, 0.2796

Protanopia

69.2308, 0.2825, 0.2861

Deuteranopia

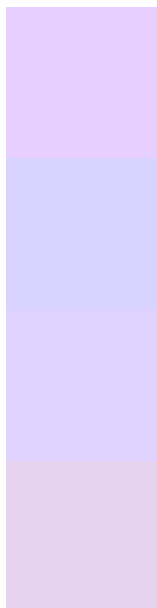
68.8044, 0.2903, 0.2837



Tritanopia

69.0193, 0.3128, 0.3119

Trichromacy



Original Color

68.8346, 0.2978, 0.2796

Protanomaly

68.9059, 0.2877, 0.2835

Deuteranomaly

68.9369, 0.2930, 0.2830

Tritanomaly

68.7602, 0.3068, 0.2994

Monochromacy



Original Color

68.8346, 0.2978, 0.2796

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.3314, 0.3072, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8346, 0.2978, 0.2796 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(231, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.8346, 0.2978, 0.2796 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(231, 207, 255) }
```

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

```
.border{ border-color:rgb(231, 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(231, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8346, 0.2978, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 207, 255) }
```

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

```
.background{ background-color: rgb(231,  
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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