

Converting Colors

Yxy(68.1304, 0.2898, 0.2810)

Have a look what the booklet for
Yxy(68.1304, 0.2898, 0.2810)
contains.

Yxy(67.8810, 0.2896, 0.2805)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(67.8810, 0.2896, 0.2805)

Conversions

Conversions Part 1

Format	Color
Hex	DBD1FF
RGB	219, 209, 255
RGB Percent	86%, 82%, 100%
CMY	0.1409, 0.1805, 0.0000
CMYK	0.14, 0.18, 0.00, 0.00
HSL	253°, 100%, 91%
HSV	253°, 18%, 100%
XYZ	70.0832, 67.8810, 104.0358
YIQ	217.2340, -8.8060, 16.4260

Conversions

Conversions Part 2

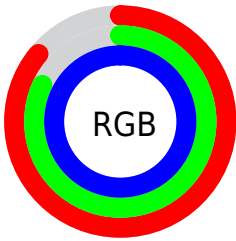
Format	Color
R _Y B	219, 209, 255
Decimal	14406143
CIE Lab	85.95, 12.29, -21.22
CIE LCh	86, 24.517, 300.074
Yxy	67.8810, 0.2896, 0.2805
Android (android.graphics.Color)	4292596223 (0xFFDBD1FF)
YUV	217.2340, 18.6186, 1.5488
Hunter-Lab	82.3899, 7.6548, -17.1940

Details

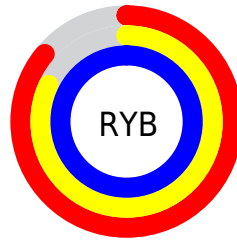
The Yxy color $67.8810, 0.2896, 0.2805$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $95.5175, 0.3333, 0.3751$, and the grayscale version is $69.4377, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.4124, 0.2843, 0.2705$ is the 20% darker color. If you saturate the color by 10%, you get $53.4502, 0.2743, 0.2498$, and if you desaturate by 10%, it is $84.6860, 0.3031, 0.3086$.

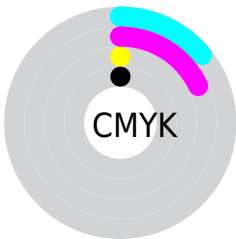
Distribution



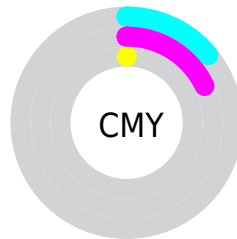
- Red (86%)
- Green (82%)
- Blue (100%)



- Red (86%)
- Yellow (82%)
- Blue (100%)



- Cyan (14%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8810, 0.2896, 0.2805 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 67.8810, 0.2896, 0.2805 by changing the saturation by 10% instead.

67.8810, 0.2896,
0.2805

67.8810, 0.2896,
0.2805

453.0743, 0.3006,
0.3025

49.8009, 0.2871,
0.2756

116.1819, 0.2934,
0.2881

35.2552, 0.2839,
0.2696

147.1715, 0.2949,
0.2910

23.8596, 0.2798,
0.2620

183.2331, 0.2962,
0.2936

15.2295, 0.2745,
0.2523

224.7510, 0.2973,
0.2958

8.9806, 0.2672,
0.2395

272.1097, 0.2983,
0.2978

4.7285, 0.2565,
0.2216

325.6936, 0.2991,

2.0889, 0.2398,

0.2996

0.1952

385.8869, 0.2999,
0.3011

0.6584, 0.2115,
0.1500

0.0000, 0.0000,
0.0000

67.8810, 0.2896,
0.2805

67.8810, 0.2896,
0.2805

53.4502, 0.2743,
0.2498

84.6860, 0.3031,
0.3086

41.2817, 0.2572,
0.2170

100.0000, 0.3127,
0.3290

31.2604, 0.2389,
0.1834

23.2591, 0.2201,
0.1505

■ 17.1371, 0.2018,
0.1205

■ 12.7353, 0.1853,
0.0956

■ 9.8670, 0.1717,
0.0777

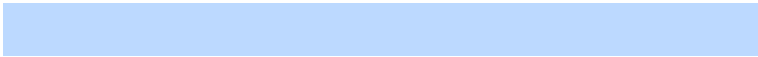
■ 8.2835, 0.1617,
0.0671

■ 8.0592, 0.1602,
0.0656

Harmonies

Analogous

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



67.8810, 0.2669, 0.2808



67.8810, 0.2896, 0.2805



67.8810, 0.3195, 0.2918

Triad

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



67.8810, 0.2896, 0.2805



67.8810, 0.3723, 0.3608



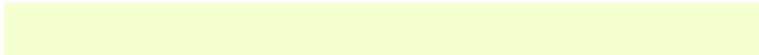
67.8810, 0.2769, 0.3461

Complementary

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



67.8810, 0.2896, 0.2805



95.5175, 0.3333, 0.3751

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.



67.8810, 0.3038, 0.3709



67.8810, 0.2896, 0.2805



67.8810, 0.3594, 0.3782

Square

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



67.8810, 0.2896, 0.2805



67.8810, 0.3685, 0.3366



67.8810, 0.3341, 0.3827



67.8810, 0.2599, 0.3172

Rectangle

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



67.8810, 0.2896, 0.2805



67.8810, 0.3397, 0.3044



67.8810, 0.3341, 0.3827



67.8810, 0.2850, 0.3553

Sweetspot

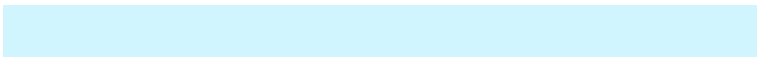
The Sweet Spot groups the original color and five complimentary colors.



67.8822, 0.2896, 0.2805



90.2942, 0.3069, 0.3165



86.0944, 0.2849, 0.3186



19.0455, 0.3061, 0.3147



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.



67.8822, 0.2896, 0.2805



61.9005, 0.2838, 0.2687



71.6807, 0.3055, 0.2828



17.5698, 0.3013, 0.3047



4.2640, 0.1614, 0.0663



0.4606, 0.1716, 0.0719

Inverse Universe

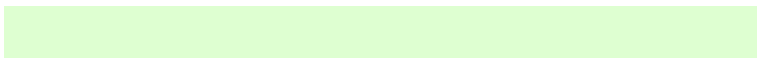
The Inverse Universe completely reimagines the original color for something new.



73.4371, 0.3218, 0.2935



68.5133, 0.3241, 0.2855



91.6548, 0.3185, 0.3772



18.2281, 0.3172, 0.3106



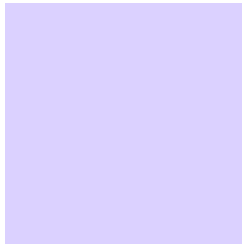
13.2880, 0.3858, 0.1899



1.3099, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 67.8810, 0.2896, 0.2805 looks on a white background.

Color Contrast Check

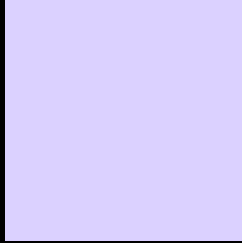
Large Text (above 18pt) WCAG AA × Fail

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 67.8810, 0.2896, 0.2805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

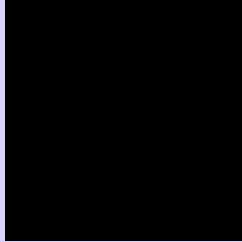
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8810, 0.2896, 0.2805

Background



This preview shows how black text looks on a background with the Yxy color 67.8810, 0.2896, 0.2805.

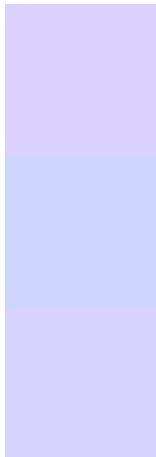


This preview shows how white text looks on a background with the Yxy color 67.8810, 0.2896, 0.2805.

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

67.8810, 0.2896, 0.2805

Protanopia

67.9303, 0.2811, 0.2838

Deuteranopia

67.9121, 0.2876, 0.2813



Tritanopia

67.7487, 0.3028, 0.3103

Trichromacy



Original Color

67.8810, 0.2896, 0.2805

Protanomaly

68.1559, 0.2843, 0.2831

Deuteranomaly

68.0649, 0.2882, 0.2814

Tritanomaly

67.9179, 0.2977, 0.2998

Monochromacy



Original Color

67.8810, 0.2896, 0.2805

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.7681, 0.3042, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8810, 0.2896, 0.2805 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(219, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 209, 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(219, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 209, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.8810, 0.2896, 0.2805 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(219, 209, 255) }
```

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

```
.border{ border-color:rgb(219, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 209,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8810, 0.2896, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 209, 255) }
```

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

```
.background{ background-color: rgb(219,  
209, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor