

Converting Colors

$Yxy(70.4827, 0.2677, 0.2638)$

Have a look what the booklet for
Yxy(70.4827, 0.2677, 0.2638)
contains.

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Color

Yxy(68.8000, 0.2806, 0.2859)

Conversions

Conversions Part 1

Format	Color
Hex	CDD7FF
RGB	205, 215, 255
RGB Percent	80%, 84%, 100%
CMY	0.1961, 0.1568, 0.0000
CMYK	0.20, 0.16, 0.00, 0.00
HSL	228°, 100%, 90%
HSV	228°, 20%, 100%
XYZ	67.5246, 68.8000, 104.3190
YIQ	216.5700, -18.8000, 10.3200

Conversions

Conversions Part 2

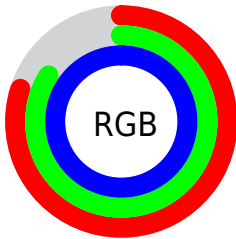
Format	Color
R _{YB}	205, 213, 255
Decimal	13490175
CIE _{Lab}	86.40, 4.75, -20.61
CIE _{LCh}	86, 21.145, 282.972
Y _{xy}	68.8000, 0.2806, 0.2859
Android (android.graphics.Color)	4291680255 (0xFFCDD7FF)
YUV	216.5700, 18.9460, -10.1469
Hunter-Lab	82.9458, 0.1584, -16.5056

Details

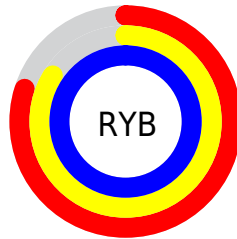
The Yxy color **68.8000, 0.2806, 0.2859** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.9579, 0.3442, 0.3687**, and the grayscale version is **68.9572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.7029, 0.2729, 0.2757** is the 20% darker color. If you saturate the color by 10%, you get **55.7203, 0.2622, 0.2600**, and if you desaturate by 10%, it is **83.7708, 0.2977, 0.3092**.

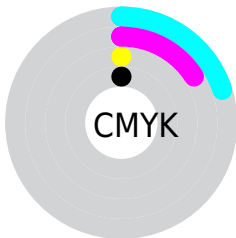
Distribution



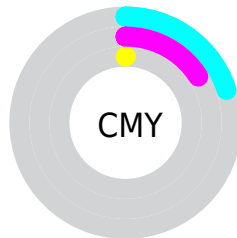
- Red (80%)
- Green (84%)
- Blue (100%)



- Red (80%)
- Yellow (84%)
- Blue (100%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8000, 0.2806, 0.2859 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 68.8000, 0.2806, 0.2859 by changing the saturation by 10% instead.

■ 68.8000, 0.2806,
0.2859

■ 68.8000, 0.2806,
0.2859

456.3253, 0.2955,
0.3057

■ 50.5488, 0.2772,
0.2814

117.4959, 0.2858,
0.2927

■ 35.8497, 0.2730,
0.2760

148.7094, 0.2878,
0.2954

■ 24.3181, 0.2676,
0.2691

185.0125, 0.2896,
0.2977

■ 15.5698, 0.2606,
0.2602

226.7895, 0.2911,
0.2997

■ 9.2202, 0.2511,
0.2482

274.4249, 0.2924,
0.3015

■ 4.8851, 0.2376,
0.2315

328.3031, 0.2936,

■ 2.1800, 0.2169,

0.3030

0.2065

388.8084, 0.2946,
0.3044

0.7091, 0.1825,
0.1638

0.0000, 0.0000,
0.0000

68.8000, 0.2806,
0.2859

68.8000, 0.2806,
0.2859

55.7203, 0.2622,
0.2600

83.7708, 0.2977,
0.3092

44.4471, 0.2428,
0.2318

99.9994, 0.3127,
0.3290

34.9021, 0.2232,
0.2020

26.9976, 0.2041,
0.1717

■ 20.6379, 0.1868,
0.1425

■ 15.7169, 0.1724,
0.1160

■ 12.1137, 0.1617,
0.0941

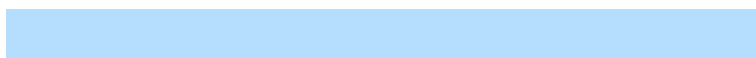
■ 9.6697, 0.1550,
0.0777

■ 9.5923, 0.1548,
0.0772

Harmonies

Analogous

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



68.8000, 0.2665, 0.2925



68.8000, 0.2806, 0.2859



68.8000, 0.3036, 0.2901

Triad

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



68.8000, 0.2806, 0.2859



68.8000, 0.3638, 0.3451



68.8000, 0.2945, 0.3566

Complementary

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



68.8000, 0.2806, 0.2859



90.9579, 0.3442, 0.3687

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.



68.8000, 0.3202, 0.3721



68.8000, 0.2806, 0.2859



68.8000, 0.3608, 0.3640

Square

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



68.8000, 0.2806, 0.2859



68.8000, 0.3523, 0.3233



68.8000, 0.3446, 0.3745



68.8000, 0.2743, 0.3331

Rectangle

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



68.8000, 0.2806, 0.2859



68.8000, 0.3212, 0.2982



68.8000, 0.3446, 0.3745



68.8000, 0.3027, 0.3630

Sweetspot

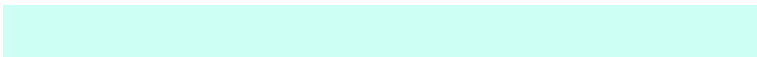
The Sweet Spot groups the original color and five complimentary colors.



68.8028, 0.2806, 0.2859



89.6527, 0.3035, 0.3169



91.0336, 0.2889, 0.3403



18.9575, 0.3025, 0.3155



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.



68.8028, 0.2806, 0.2859



62.8320, 0.2726, 0.2748



65.9656, 0.2895, 0.2762



17.9666, 0.2979, 0.3094



5.1779, 0.1554, 0.0794



0.6492, 0.1607, 0.0985

Inverse Universe

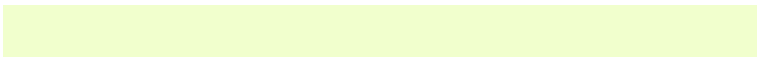
The Inverse Universe completely reimagines the original color for something new.



69.8259, 0.3440, 0.3189



64.2135, 0.3531, 0.3165



94.5913, 0.3330, 0.3795



18.0465, 0.3263, 0.3243



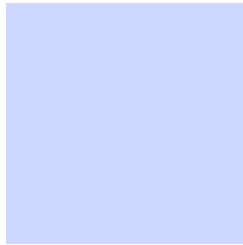
11.2507, 0.6079, 0.3123



1.1101, 0.5781, 0.2958

Previews

White Background



This preview shows how the Yxy color 68.8000, 0.2806, 0.2859 looks on a white background.

Color Contrast Check

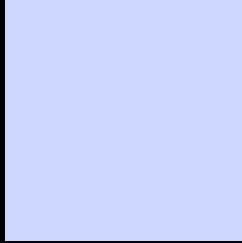
Large Text (above 18pt) WCAG AA × Fail

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 68.8000, 0.2806, 0.2859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

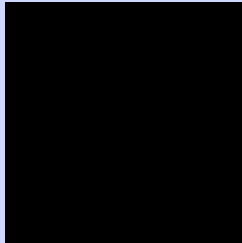
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8000, 0.2806, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 68.8000, 0.2806, 0.2859.



This preview shows how white text looks on a background with the Yxy color 68.8000, 0.2806, 0.2859.

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

68.8000, 0.2806, 0.2859

Protanopia

68.6588, 0.2831, 0.2860

Deuteranopia

68.7140, 0.2890, 0.2826



Tritanopia

68.6164, 0.2895, 0.3089

Trichromacy



Original Color

68.8000, 0.2806, 0.2859

Protanomaly

68.5143, 0.2824, 0.2859

Deuteranomaly

68.4531, 0.2857, 0.2833

Tritanomaly

68.6533, 0.2859, 0.3003

Monochromacy



Original Color

68.8000, 0.2806, 0.2859

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.0274, 0.3007, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8000, 0.2806, 0.2859 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(205, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 215, 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(205, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.8000, 0.2806, 0.2859 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(205, 215, 255) }
```

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

```
.border{ border-color:rgb(205, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8000, 0.2806, 0.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 215, 255) }
```

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

```
.background{ background-color: rgb(205,  
215, 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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