

Converting Colors

$Yxy(66.8527, 0.2802, 0.2761)$

Have a look what the booklet for
Yxy(66.8527, 0.2802, 0.2761)
contains.

| | |
|--|----|
| Yxy(66.8685, 0.2829, 0.2807) | 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(66.8685, 0.2829, 0.2807)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D1D2FF |
| RGB | 209, 210, 255 |
| RGB Percent | 82%, 82%, 100% |
| CMY | 0.1803, 0.1765, 0.0000 |
| CMYK | 0.18, 0.18, 0.00, 0.00 |
| HSL | 239°, 100%, 91% |
| HSV | 239°, 18%, 100% |
| XYZ | 67.3926, 66.8685, 103.9594 |
| YIQ | 214.8310, -15.0410, 13.7830 |

Conversions

Conversions Part 2

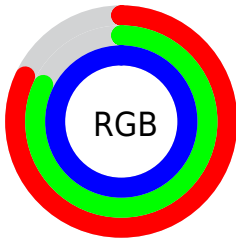
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 209, 210, 255 |
| Decimal | 13751039 |
| CIE Lab | 85.44, 8.63, -22.05 |
| CIE LCh | 85, 23.674, 291.367 |
| Yxy | 66.8685, 0.2829, 0.2807 |
| Android (android.graphics.Color) | 4291941119 (0xFFD1D2FF) |
| YUV | 214.8310, 19.8033, -5.1138 |
| Hunter-Lab | 81.7732, 4.0061, -18.1350 |

Details

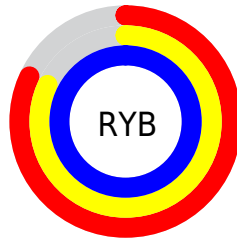
The Yxy color **66.8685, 0.2829, 0.2807** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.7518, 0.3401, 0.3731**, and the grayscale version is **67.7086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.7242, 0.2758, 0.2704** is the 20% darker color. If you saturate the color by 10%, you get **52.0696, 0.2636, 0.2493**, and if you desaturate by 10%, it is **84.1887, 0.3003, 0.3089**.

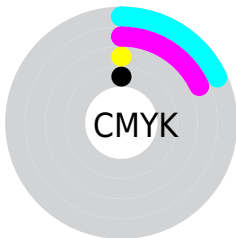
Distribution



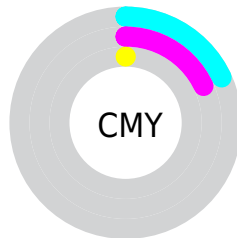
- Red (82%)
- Green (82%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8685, 0.2829, 0.2807 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 66.8685, 0.2829, 0.2807 by changing the saturation by 10% instead.

■ 66.8685, 0.2829,
0.2807

■ 66.8685, 0.2829,
0.2807

449.4766, 0.2969,
0.3028

■ 48.9778, 0.2797,
0.2757

114.7320, 0.2878,
0.2883

■ 34.6018, 0.2756,
0.2696

145.4735, 0.2897,
0.2913

■ 23.3563, 0.2705,
0.2620

181.2674, 0.2913,
0.2939

■ 14.8568, 0.2638,
0.2521

222.4981, 0.2927,
0.2961

■ 8.7190, 0.2547,
0.2389

269.5500, 0.2940,
0.2981

■ 4.5583, 0.2415,
0.2205

322.8074, 0.2951,

■ 1.9905, 0.2210,

0.2998

0.1932

382.6548, 0.2960,
0.3014

0.6020, 0.1872,
0.1440

0.0000, 0.0000,
0.0000

66.8685, 0.2829,
0.2807

66.8685, 0.2829,
0.2807

52.0696, 0.2636,
0.2493

84.1887, 0.3003,
0.3089

39.6669, 0.2427,
0.2152

99.9998, 0.3127,
0.3290

29.5368, 0.2212,
0.1798

21.5415, 0.2001,
0.1451

■ 15.5282, 0.1812,
0.1137

■ 11.3241, 0.1661,
0.0883

■ 8.7263, 0.1559,
0.0708

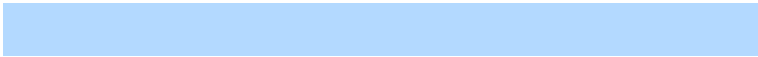
■ 7.4779, 0.1509,
0.0619

■ 7.3390, 0.1503,
0.0609

Harmonies

Analogous

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



66.8685, 0.2639, 0.2845



66.8685, 0.2829, 0.2807



66.8685, 0.3106, 0.2886

Triad

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



66.8685, 0.2829, 0.2807



66.8685, 0.3712, 0.3535



66.8685, 0.2848, 0.3534

Complementary

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



66.8685, 0.2829, 0.2807



96.7518, 0.3401, 0.3731

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.



66.8685, 0.3127, 0.3745



66.8685, 0.2829, 0.2807



66.8685, 0.3632, 0.3729

Square

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



66.8685, 0.2829, 0.2807



66.8685, 0.3627, 0.3293



66.8685, 0.3415, 0.3814



66.8685, 0.2649, 0.3255

Rectangle

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



66.8685, 0.2829, 0.2807



66.8685, 0.3306, 0.2993



66.8685, 0.3415, 0.3814



66.8685, 0.2935, 0.3616

Sweetspot

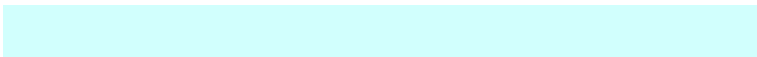
The Sweet Spot groups the original color and five complimentary colors.



66.8712, 0.2829, 0.2807



89.9585, 0.3051, 0.3167



92.1969, 0.2863, 0.3305



18.9642, 0.3040, 0.3149



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.



66.8712, 0.2829, 0.2807



60.7071, 0.2755, 0.2686



69.7279, 0.2975, 0.2817



17.4404, 0.2978, 0.3049



3.8620, 0.1504, 0.0613



0.3971, 0.1512, 0.0644

Inverse Universe

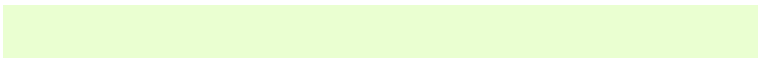
The Inverse Universe completely reimagines the original color for something new.



71.5196, 0.3472, 0.3281



66.2360, 0.3568, 0.3279



93.5367, 0.3259, 0.3761



17.9934, 0.3291, 0.3285



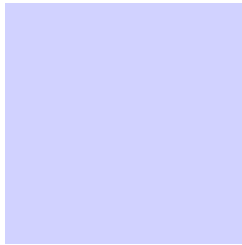
11.1178, 0.6379, 0.3288



1.0846, 0.6327, 0.3259

Previews

White Background



This preview shows how the Yxy color 66.8685, 0.2829, 0.2807 looks on a white background.

Color Contrast Check

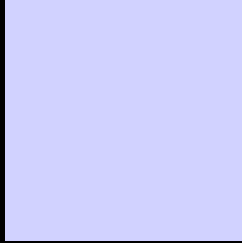
Large Text (above 18pt) WCAG AA × Fail

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 66.8685, 0.2829, 0.2807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

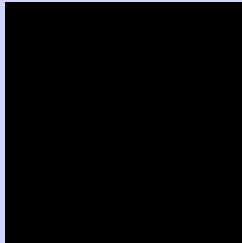
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8685, 0.2829, 0.2807

Background



This preview shows how black text looks on a background with the Yxy color 66.8685, 0.2829, 0.2807.

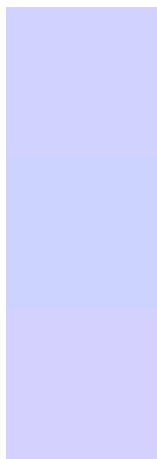


This preview shows how white text looks on a background with the Yxy color 66.8685, 0.2829, 0.2807.

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

66.8685, 0.2829, 0.2807

Protanopia

66.6459, 0.2797, 0.2814

Deuteranopia

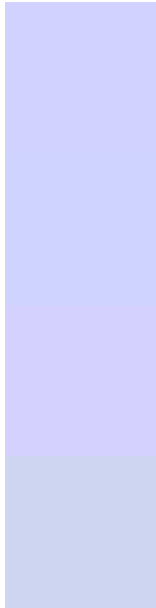
66.9671, 0.2855, 0.2800



Tritanopia

66.8418, 0.2952, 0.3100

Trichromacy



Original Color

66.8685, 0.2829, 0.2807

Protanomaly

66.9303, 0.2810, 0.2815

Deuteranomaly

66.8180, 0.2848, 0.2799

Tritanomaly

67.0016, 0.2902, 0.2992

Monochromacy



Original Color

66.8685, 0.2829, 0.2807

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

67.4478, 0.3014, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8685, 0.2829, 0.2807 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(209, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 210, 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(209, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 210, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.8685, 0.2829, 0.2807 is called "border". The border property can be set on classes, ids or directly on the HTML element.

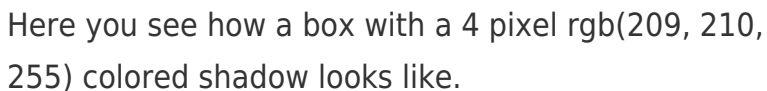
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 210, 255) }
```

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

```
.border{ border-color:rgb(209, 210, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(209, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 210, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 210, 255); box-shadow:4px 4px 4px 4px rgb(209, 210, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8685, 0.2829, 0.2807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 210, 255) }
```

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

```
.background{ background-color: rgb(209,  
210, 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