

Converting Colors

Yxy(67.9634, 0.2848, 0.2880)

Have a look what the booklet for
Yxy(67.9634, 0.2848, 0.2880)
contains.

Yxy(67.9634, 0.2848, 0.2880)	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(67.9634, 0.2848, 0.2880)

Conversions

Conversions Part 1

Format	Color
Hex	D0D5FB
RGB	208, 213, 251
RGB Percent	82%, 84%, 98%
CMY	0.1844, 0.1646, 0.0158
CMYK	0.17, 0.15, 0.00, 0.02
HSL	233°, 84%, 90%
HSV	233°, 17%, 98%
XYZ	67.2083, 67.9634, 100.8124
YIQ	215.8370, -15.1780, 10.7580

Conversions

Conversions Part 2

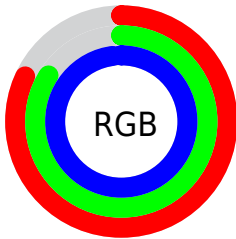
Format	Color
R _{YB}	208, 212, 251
Decimal	13686267
CIE Lab	85.99, 5.85, -19.09
CIE LCh	86, 19.964, 287.024
Yxy	67.9634, 0.2848, 0.2880
Android (android.graphics.Color)	4291876347 (0xFFD0D5FB)
YUV	215.8370, 17.3354, -6.8730
Hunter-Lab	82.4399, 1.2503, -14.7954

Details

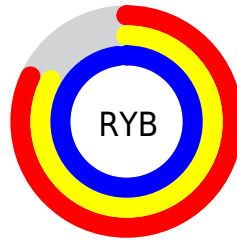
The Yxy color **67.9634, 0.2848, 0.2880** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.9174, 0.3394, 0.3669**, and the grayscale version is **68.4383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.1211, 0.2782, 0.2783** is the 20% darker color. If you saturate the color by 10%, you get **54.2185, 0.2662, 0.2600**, and if you desaturate by 10%, it is **83.8114, 0.3017, 0.3130**.

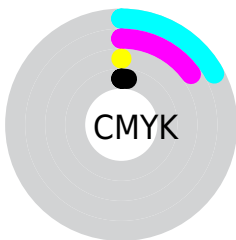
Distribution



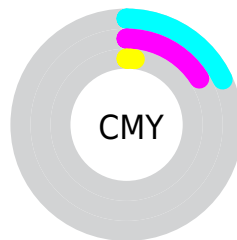
- Red (82%)
- Green (84%)
- Blue (98%)



- Red (82%)
- Yellow (83%)
- Blue (98%)



- Cyan (17%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (16%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9634, 0.2848, 0.2880 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 67.9634, 0.2848, 0.2880 by changing the saturation by 10% instead.

■ 67.9634, 0.2848,
0.2880

■ 67.9634, 0.2848,
0.2880

453.3663, 0.2979,
0.3068

■ 49.8680, 0.2818,
0.2837

116.2998, 0.2894,
0.2945

■ 35.3085, 0.2781,
0.2785

147.3095, 0.2911,
0.2970

■ 23.9006, 0.2733,
0.2719

183.3928, 0.2926,
0.2992

■ 15.2599, 0.2671,
0.2634

224.9340, 0.2940,
0.3011

■ 9.0020, 0.2586,
0.2519

272.3176, 0.2951,
0.3028

■ 4.7425, 0.2464,
0.2357

325.9279, 0.2961,

■ 2.0970, 0.2275,

0.3043

0.2113

386.1494, 0.2970,
0.3056

0.6629, 0.1953,
0.1676

0.0000, 0.0000,
0.0000

67.9634, 0.2848,
0.2880

67.9634, 0.2848,
0.2880

54.2185, 0.2662,
0.2600

83.8114, 0.3017,
0.3130

42.4799, 0.2463,
0.2295

99.7428, 0.3150,
0.3328

32.6560, 0.2258,
0.1972

24.6444, 0.2056,
0.1645

■ 18.3333, 0.1870,
0.1334

■ 13.5980, 0.1714,
0.1060

■ 10.2969, 0.1600,
0.0844

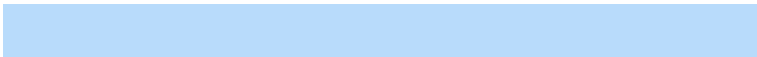
■ 8.2596, 0.1532,
0.0698

■ 7.8640, 0.1519,
0.0669

Harmonies

Analogous

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



67.9634, 0.2700, 0.2930



67.9634, 0.2848, 0.2880



67.9634, 0.3074, 0.2932

Triad

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



67.9634, 0.2848, 0.2880



67.9634, 0.3615, 0.3471



67.9634, 0.2924, 0.3524

Complementary

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



67.9634, 0.2848, 0.2880



90.9174, 0.3394, 0.3669

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.



67.9634, 0.3165, 0.3685



67.9634, 0.2848, 0.2880



67.9634, 0.3569, 0.3642

Square

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



67.9634, 0.2848, 0.2880



67.9634, 0.3524, 0.3264



67.9634, 0.3401, 0.3725



67.9634, 0.2743, 0.3297

Rectangle

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



67.9634, 0.2848, 0.2880



67.9634, 0.3242, 0.3017



67.9634, 0.3401, 0.3725



67.9634, 0.3001, 0.3589

Sweetspot

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



67.9662, 0.2848, 0.2880



90.6904, 0.3051, 0.3179



88.9848, 0.2898, 0.3349



19.1413, 0.3040, 0.3163



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.



67.9662, 0.2848, 0.2880



64.6826, 0.2778, 0.2775



67.8661, 0.2953, 0.2838



16.9710, 0.2979, 0.3074



4.2406, 0.1524, 0.0684



0.4950, 0.1566, 0.0837

Inverse Universe

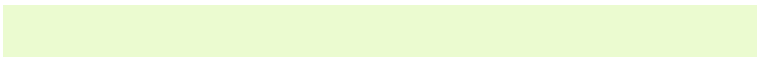
The Inverse Universe completely reimagines the original color for something new.



70.4058, 0.3420, 0.3239



67.7844, 0.3503, 0.3227



91.2212, 0.3281, 0.3732



17.2583, 0.3276, 0.3262



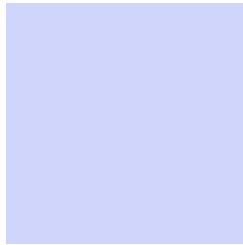
10.8390, 0.6259, 0.3221



1.0142, 0.6010, 0.3084

Previews

White Background



This preview shows how the Yxy color 67.9634, 0.2848, 0.2880 looks on a white background.

Color Contrast Check

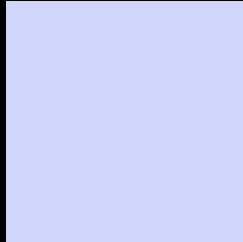
Large Text (above 18pt) WCAG AA × Fail

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 67.9634, 0.2848, 0.2880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

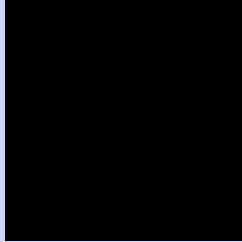
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9634, 0.2848, 0.2880

Background



This preview shows how black text looks on a background with the Yxy color 67.9634, 0.2848, 0.2880.



This preview shows how white text looks on a background with the Yxy color 67.9634, 0.2848, 0.2880.

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

67.9634, 0.2848, 0.2880

Protanopia

67.9634, 0.2848, 0.2880

Deuteranopia

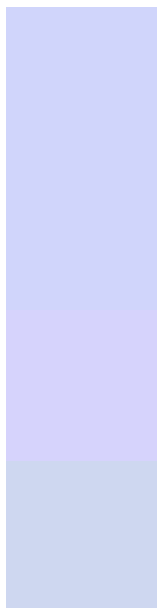
68.0269, 0.2908, 0.2845



Tritanopia

67.9741, 0.2939, 0.3101

Trichromacy



Original Color

67.9634, 0.2848, 0.2880

Protanomaly

67.9634, 0.2848, 0.2880

Deuteranomaly

67.9129, 0.2881, 0.2852

Tritanomaly

68.0140, 0.2902, 0.3015

Monochromacy



Original Color

67.9634, 0.2848, 0.2880

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.4042, 0.3020, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9634, 0.2848, 0.2880 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(208, 213, 251)` looks like.

```
.text, #text, p{  
    color:rgb(208, 213, 251)  
}
```

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(208, 213, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 213, 251) }
```

Border

The CSS property to change the border of an element to Yxy 67.9634, 0.2848, 0.2880 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(208, 213, 251) }
```

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

```
.border{ border-color:rgb(208, 213, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 213, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 213, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 213, 251);  
box-shadow:4px 4px 4px 4px rgb(208, 213,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9634, 0.2848, 0.2880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 213, 251) }
```

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

```
.background{ background-color: rgb(208,  
213, 251) }
```

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