

Converting Colors

$Yxy(67.7560, 0.2847, 0.2889)$

Have a look what the booklet for
Yxy(67.7560, 0.2847, 0.2889)
contains.

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Color

Yxy(67.7560, 0.2847, 0.2889)

Conversions

Conversions Part 1

Format	Color
Hex	CFD5FA
RGB	207, 213, 250
RGB Percent	81%, 84%, 98%
CMY	0.1884, 0.1646, 0.0196
CMYK	0.17, 0.15, 0.00, 0.02
HSL	232°, 81%, 90%
HSV	232°, 17%, 98%
XYZ	66.7710, 67.7560, 100.0040
YIQ	215.4240, -15.4530, 10.2350

Conversions

Conversions Part 2

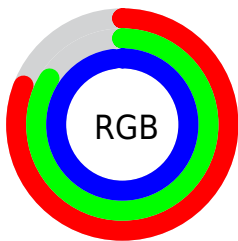
Format	Color
R _Y B	207, 212, 250
Decimal	13620730
CIE Lab	85.88, 5.32, -18.75
CIE LCh	86, 19.488, 285.856
Yxy	67.7560, 0.2847, 0.2889
Android (android.graphics.Color)	4291810810 (0xFFCFD5FA)
YUV	215.4240, 17.0460, -7.3878
Hunter-Lab	82.3140, 0.7449, -14.4121

Details

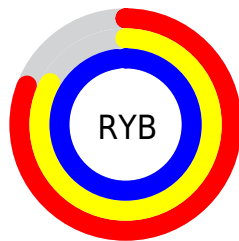
The Yxy color **67.7560, 0.2847, 0.2889** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.4889, 0.3397, 0.3662**, and the grayscale version is **68.1443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.9794, 0.2781, 0.2795** is the 20% darker color. If you saturate the color by 10%, you get **54.3406, 0.2662, 0.2617**, and if you desaturate by 10%, it is **83.1777, 0.3016, 0.3132**.

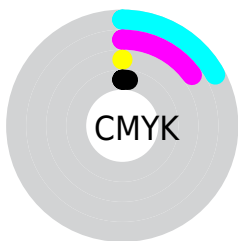
Distribution



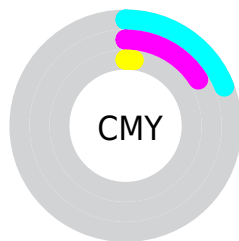
- Red (81%)
- Green (84%)
- Blue (98%)



- Red (81%)
- Yellow (83%)
- Blue (98%)



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



- Cyan (19%)
- Magenta (16%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7560, 0.2847, 0.2889 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 67.7560, 0.2847, 0.2889 by changing the saturation by 10% instead.

■ 67.7560, 0.2847,
0.2889

■ 67.7560, 0.2847,
0.2889

452.6310, 0.2978,
0.3074

■ 49.6993, 0.2817,
0.2847

116.0030, 0.2893,
0.2953

■ 35.1745, 0.2779,
0.2796

146.9621, 0.2910,
0.2978

■ 23.7973, 0.2732,
0.2731

182.9907, 0.2926,
0.2999

■ 15.1833, 0.2669,
0.2647

224.4733, 0.2939,
0.3018

■ 8.9482, 0.2584,
0.2534

271.7942, 0.2951,
0.3034

■ 4.7074, 0.2462,
0.2374

325.3379, 0.2961,

■ 2.0766, 0.2271,

0.3049

0.2132

385.4887, 0.2970,
0.3062

0.6514, 0.1945,
0.1691

0.0000, 0.0000,
0.0000

67.7560, 0.2847,
0.2889

67.7560, 0.2847,
0.2889

54.3406, 0.2662,
0.2617

83.1777, 0.3016,
0.3132

42.8404, 0.2466,
0.2320

99.6824, 0.3156,
0.3338

33.1700, 0.2263,
0.2004

25.2340, 0.2063,
0.1684

■ 18.9283, 0.1880,
0.1376

■ 14.1372, 0.1725,
0.1102

■ 10.7295, 0.1610,
0.0881

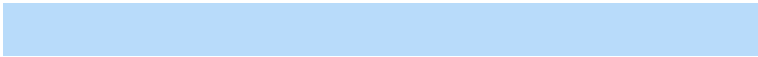
■ 8.5480, 0.1540,
0.0725

■ 8.1192, 0.1526,
0.0694

Harmonies

Analogous

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



67.7560, 0.2706, 0.2942



67.7560, 0.2847, 0.2889



67.7560, 0.3066, 0.2937

Triad

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



67.7560, 0.2847, 0.2889



67.7560, 0.3603, 0.3460



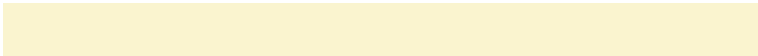
67.7560, 0.2938, 0.3527

Complementary

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



67.7560, 0.2847, 0.2889



89.4889, 0.3397, 0.3662

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.



67.7560, 0.3173, 0.3679



67.7560, 0.2847, 0.2889



67.7560, 0.3563, 0.3629

Square

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



67.7560, 0.2847, 0.2889



67.7560, 0.3509, 0.3257



67.7560, 0.3403, 0.3714



67.7560, 0.2757, 0.3306

Rectangle

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



67.7560, 0.2847, 0.2889



67.7560, 0.3230, 0.3017



67.7560, 0.3403, 0.3714



67.7560, 0.3013, 0.3588

Sweetspot

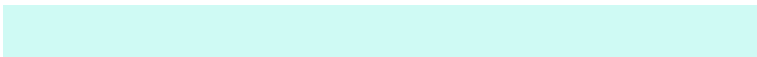
The Sweet Spot groups the original color and five complimentary colors.



67.7588, 0.2847, 0.2889



90.8716, 0.3051, 0.3182



88.1361, 0.2901, 0.3357



19.1851, 0.3040, 0.3167



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.



67.7588, 0.2847, 0.2889



65.3010, 0.2779, 0.2789



67.0358, 0.2947, 0.2835



17.0376, 0.2979, 0.3080



4.4270, 0.1531, 0.0711



0.5264, 0.1579, 0.0883

Inverse Universe

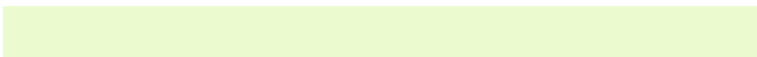
The Inverse Universe completely reimagines the original color for something new.



69.7308, 0.3414, 0.3228



67.8469, 0.3493, 0.3214



90.5276, 0.3286, 0.3733



17.2651, 0.3272, 0.3257



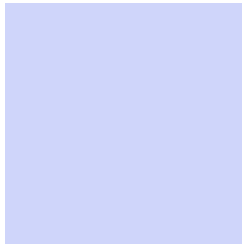
10.8578, 0.6215, 0.3197



1.0174, 0.5939, 0.3045

Previews

White Background



This preview shows how the Yxy color 67.7560, 0.2847, 0.2889 looks on a white background.

Color Contrast Check

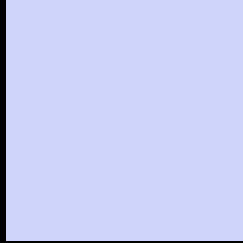
Large Text (above 18pt) WCAG AA × Fail

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 67.7560, 0.2847, 0.2889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

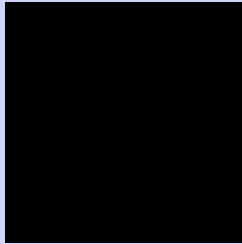
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7560, 0.2847, 0.2889

Background



This preview shows how black text looks on a background with the Yxy color 67.7560, 0.2847, 0.2889.

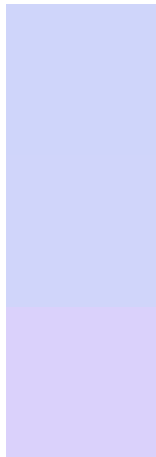


This preview shows how white text looks on a background with the Yxy color 67.7560, 0.2847, 0.2889.

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

67.7560, 0.2847, 0.2889

Protanopia

67.9005, 0.2854, 0.2890

Deuteranopia

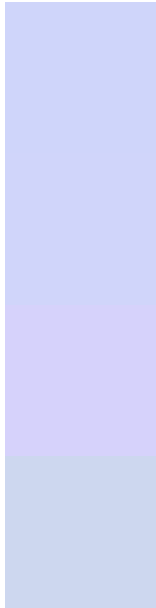
67.4714, 0.2914, 0.2844



Tritanopia

67.8323, 0.2933, 0.3100

Trichromacy



Original Color

67.7560, 0.2847, 0.2889

Protanomaly

67.9005, 0.2854, 0.2890

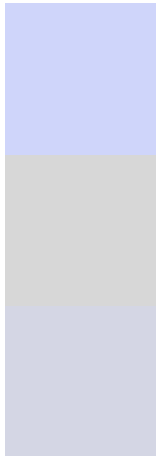
Deuteranomaly

67.3544, 0.2887, 0.2851

Tritanomaly

67.8120, 0.2902, 0.3025

Monochromacy



Original Color

67.7560, 0.2847, 0.2889

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

67.6916, 0.3020, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7560, 0.2847, 0.2889 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(207, 213, 250)` looks like.

```
.text, #text, p{  
    color:rgb(207, 213, 250)  
}
```

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(207, 213, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 213, 250) }
```

Border

The CSS property to change the border of an element to Yxy 67.7560, 0.2847, 0.2889 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(207, 213, 250) }
```

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

```
.border{ border-color:rgb(207, 213, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 213, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 213, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 213, 250);  
box-shadow:4px 4px 4px 4px rgb(207, 213,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7560, 0.2847, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 213, 250) }
```

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

```
.background{ background-color: rgb(207,  
213, 250) }
```

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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