

Converting Colors

$Yxy(68.0033, 0.2755, 0.2873)$

Have a look what the booklet for
Yxy(68.0033, 0.2755, 0.2873)
contains.

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Color

Yxy(68.0033, 0.2755, 0.2873)

Conversions

Conversions Part 1

Format	Color
Hex	C4D8FE
RGB	196, 216, 254
RGB Percent	77%, 85%, 100%
CMY	0.2315, 0.1529, 0.0038
CMYK	0.23, 0.15, 0.00, 0.00
HSL	219°, 97%, 88%
HSV	219°, 23%, 100%
XYZ	65.2103, 68.0033, 103.4843
YIQ	214.3520, -24.1180, 7.5780

Conversions

Conversions Part 2

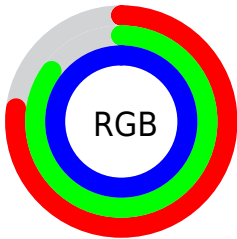
Format	Color
R _Y B	196, 211, 254
Decimal	12900606
CIE Lab	86.01, 1.30, -20.76
CIE LCh	86, 20.803, 273.584
Yxy	68.0033, 0.2755, 0.2873
Android (android.graphics.Color)	4291090686 (0xFFC4D8FE)
YUV	214.3520, 19.5465, -16.0947
Hunter-Lab	82.4641, -3.1595, -16.6782

Details

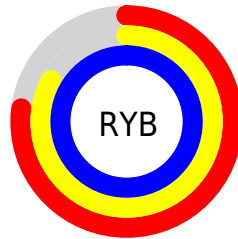
The Yxy color **68.0033, 0.2755, 0.2873** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.9136, 0.3515, 0.3675**, and the grayscale version is **67.3729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **35.1837, 0.2666, 0.2774** is the 20% darker color. If you saturate the color by 10%, you get **56.7837, 0.2578, 0.2657**, and if you desaturate by 10%, it is **80.6686, 0.2924, 0.3069**.

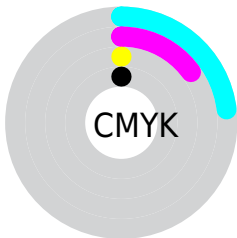
Distribution



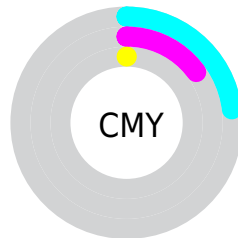
- Red (77%)
- Green (85%)
- Blue (100%)



- Red (77%)
- Yellow (83%)
- Blue (100%)



- Cyan (23%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0033, 0.2755, 0.2873 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 68.0033, 0.2755, 0.2873 by changing the saturation by 10% instead.

■ 68.0033, 0.2755,
0.2873

■ 68.0033, 0.2755,
0.2873

453.5077, 0.2928,
0.3066

■ 49.9004, 0.2716,
0.2829

116.3569, 0.2815,
0.2940

■ 35.3343, 0.2667,
0.2775

147.3763, 0.2838,
0.2966

■ 23.9205, 0.2605,
0.2707

183.4701, 0.2858,
0.2988

■ 15.2747, 0.2525,
0.2619

225.0226, 0.2876,
0.3008

■ 9.0124, 0.2417,
0.2499

272.4183, 0.2891,
0.3025

■ 4.7493, 0.2263,
0.2331

326.0414, 0.2905,

■ 2.1009, 0.2030,

0.3040

0.2077

386.2764, 0.2917,
0.3054

0.6651, 0.1626,
0.1629

0.0000, 0.0000,
0.0000

68.0033, 0.2755,
0.2873

68.0033, 0.2755,
0.2873

56.7837, 0.2578,
0.2657

80.6686, 0.2924,
0.3069

46.9470, 0.2398,
0.2422

94.8229, 0.3084,
0.3244

38.4376, 0.2220,
0.2174

99.9381, 0.3133,
0.3299

31.1925, 0.2052,
0.1918

■ 25.1429, 0.1901,
0.1665

■ 20.2119, 0.1776,
0.1426

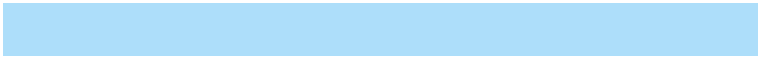
■ 16.3109, 0.1682,
0.1211

■ 14.0767, 0.1632,
0.1076

Harmonies

Analogous

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



68.0033, 0.2650, 0.2972



68.0033, 0.2755, 0.2873



68.0033, 0.2959, 0.2881

Triad

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



68.0033, 0.2755, 0.2873



68.0033, 0.3611, 0.3383



68.0033, 0.3024, 0.3623

Complementary

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



68.0033, 0.2755, 0.2873



83.9136, 0.3515, 0.3675

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.



68.0033, 0.3281, 0.3738



68.0033, 0.2755, 0.2873



68.0033, 0.3626, 0.3584

Square

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



68.0033, 0.2755, 0.2873



68.0033, 0.3458, 0.3168



68.0033, 0.3503, 0.3719



68.0033, 0.2801, 0.3407

Rectangle

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



68.0033, 0.2755, 0.2873



68.0033, 0.3129, 0.2943



68.0033, 0.3503, 0.3719



68.0033, 0.3109, 0.3675

Sweetspot

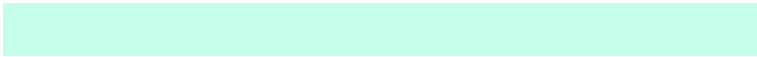
The Sweet Spot groups the original color and five complimentary colors.



68.0060, 0.2755, 0.2873



89.5356, 0.3019, 0.3174



88.5640, 0.2892, 0.3508



18.9788, 0.3009, 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.



68.0060, 0.2755, 0.2873



63.7215, 0.2682, 0.2786



59.5637, 0.2797, 0.2656



18.4022, 0.2979, 0.3130



7.6656, 0.1640, 0.1105



0.9408, 0.1703, 0.1329

Inverse Universe

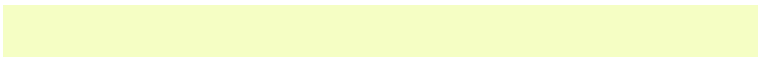
The Inverse Universe completely reimagines the original color for something new.



65.5066, 0.3440, 0.3086



61.0892, 0.3513, 0.3046



94.3628, 0.3415, 0.3874



18.0905, 0.3240, 0.3208



11.5018, 0.5603, 0.2860



1.1395, 0.5286, 0.2686

Previews

White Background



This preview shows how the Yxy color 68.0033, 0.2755, 0.2873 looks on a white background.

Color Contrast Check

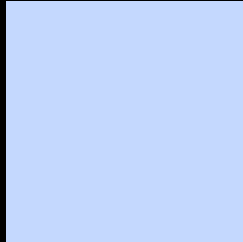
Large Text (above 18pt) WCAG AA × Fail

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 68.0033, 0.2755, 0.2873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

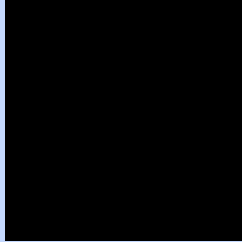
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

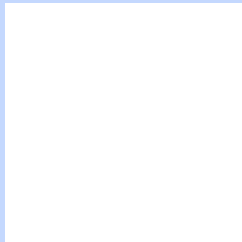
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.0033, 0.2755, 0.2873

Background



This preview shows how black text looks on a background with the Yxy color 68.0033, 0.2755, 0.2873.



This preview shows how white text looks on a background with the Yxy color 68.0033, 0.2755, 0.2873.

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

68.0033, 0.2755, 0.2873

Protanopia

67.8822, 0.2835, 0.2869

Deuteranopia

67.9121, 0.2876, 0.2813



Tritanopia

68.0566, 0.2843, 0.3097

Trichromacy



Original Color

68.0033, 0.2755, 0.2873

Protanomaly

67.8815, 0.2804, 0.2866

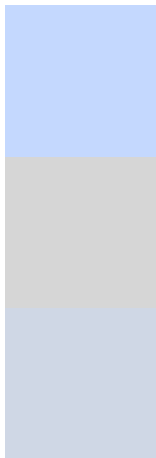
Deuteranomaly

67.8623, 0.2830, 0.2829

Tritanomaly

68.0832, 0.2808, 0.3010

Monochromacy



Original Color

68.0033, 0.2755, 0.2873

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.5234, 0.2978, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0033, 0.2755, 0.2873 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(196, 216, 254)` looks like.

```
.text, #text, p{  
    color:rgb(196, 216, 254)  
}
```

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(196, 216, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 216, 254) }
```

Border

The CSS property to change the border of an element to Yxy 68.0033, 0.2755, 0.2873 is called "border". The border property can be set on classes, ids or directly on the HTML element.

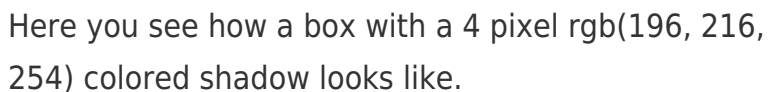
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 216, 254) }
```

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

```
.border{ border-color:rgb(196, 216, 254) }
```

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



Here you see how a box with a 4 pixel rgb(196, 216, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 216, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 216, 254);  
box-shadow:4px 4px 4px 4px rgb(196, 216,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0033, 0.2755, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 216, 254) }
```

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

```
.background{ background-color: rgb(196,  
216, 254) }
```

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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