

Converting Colors

$Y_{xy}(68.3251, 0.2730, 0.2882)$

Have a look what the booklet for
Yxy(68.3251, 0.2730, 0.2882)
contains.

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Color

Yxy(68.5693, 0.2727, 0.2883)

Conversions

Conversions Part 1

Format	Color
Hex	C0DAFF
RGB	192, 218, 255
RGB Percent	75%, 85%, 100%
CMY	0.2470, 0.1451, 0.0001
CMYK	0.25, 0.15, 0.00, 0.00
HSL	215°, 100%, 88%
HSV	215°, 25%, 100%
XYZ	64.8590, 68.5693, 104.4118
YIQ	214.4440, -27.3730, 5.9950

Conversions

Conversions Part 2

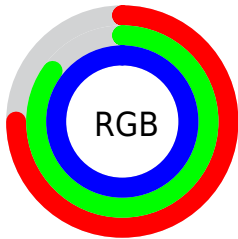
Format	Color
R _Y B	192, 210, 255
Decimal	12638975
CIE Lab	86.29, -0.71, -20.86
CIE LCh	86, 20.873, 268.052
Yxy	68.5693, 0.2727, 0.2883
Android (android.graphics.Color)	4290829055 (0xFFC0DAFF)
YUV	214.4440, 19.9941, -19.6834
Hunter-Lab	82.8066, -5.0998, -16.7949

Details

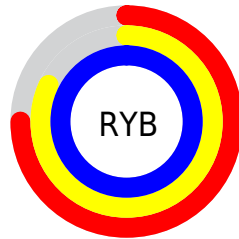
The Yxy color **68.5693, 0.2727, 0.2883** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **81.0976, 0.3560, 0.3666**, and the grayscale version is **67.4385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **35.5900, 0.2631, 0.2787** is the 20% darker color. If you saturate the color by 10%, you get **58.1080, 0.2555, 0.2687**, and if you desaturate by 10%, it is **80.3144, 0.2895, 0.3061**.

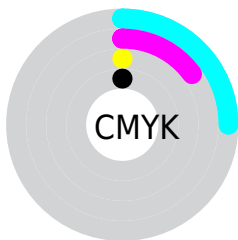
Distribution



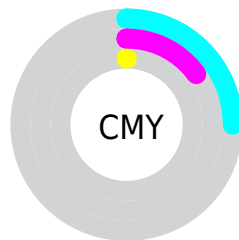
- Red (75%)
- Green (85%)
- Blue (100%)



- Red (75%)
- Yellow (82%)
- Blue (100%)



- Cyan (25%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5693, 0.2727, 0.2883 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 68.5693, 0.2727, 0.2883 by changing the saturation by 10% instead.

■ 68.5693, 0.2727,
0.2883

■ 68.5693, 0.2727,
0.2883

■ 455.5104, 0.2912,
0.3072

■ 50.3610, 0.2685,
0.2840

■ 117.1662, 0.2791,
0.2948

■ 35.7003, 0.2633,
0.2787

■ 148.3236, 0.2816,
0.2974

■ 24.2029, 0.2568,
0.2720

■ 184.5662, 0.2838,
0.2996

■ 15.4842, 0.2483,
0.2633

■ 226.2783, 0.2856,
0.3015

■ 9.1599, 0.2369,
0.2516

■ 273.8444, 0.2873,
0.3032

■ 4.8456, 0.2207,
0.2350

■ 327.6489, 0.2887,

■ 2.1570, 0.1964,

0.3046

0.2099

388.0761, 0.2900,
0.3060

0.6964, 0.1543,
0.1667

0.0000, 0.0000,
0.0000

68.5693, 0.2727,
0.2883

68.5693, 0.2727,
0.2883

58.1080, 0.2555,
0.2687

80.3144, 0.2895,
0.3061

48.8739, 0.2382,
0.2475

93.3802, 0.3055,
0.3221

40.8182, 0.2214,
0.2251

99.9991, 0.3127,
0.3290

33.8849, 0.2058,
0.2020

■ 28.0125, 0.1920,
0.1790

■ 23.1317, 0.1806,
0.1569

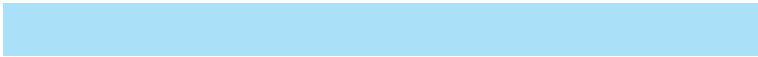
■ 19.1612, 0.1721,
0.1365

■ 17.3733, 0.1685,
0.1266

Harmonies

Analogous

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



68.5693, 0.2644, 0.3001



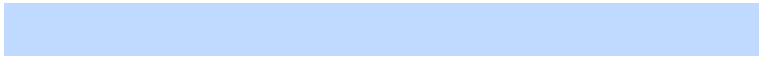
68.5693, 0.2727, 0.2883



68.5693, 0.2916, 0.2872

Triad

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



68.5693, 0.2727, 0.2883



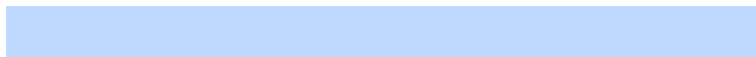
68.5693, 0.3592, 0.3343



68.5693, 0.3070, 0.3653

Complementary

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



68.5693, 0.2727, 0.2883



81.0976, 0.3560, 0.3666

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.



68.5693, 0.3327, 0.3745



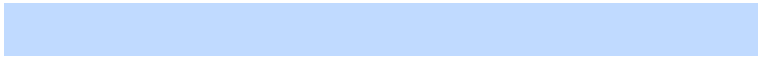
68.5693, 0.2727, 0.2883



68.5693, 0.3635, 0.3551

Square

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



68.5693, 0.2727, 0.2883



68.5693, 0.3419, 0.3131



68.5693, 0.3535, 0.3702



68.5693, 0.2836, 0.3451

Rectangle

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



68.5693, 0.2727, 0.2883



68.5693, 0.3081, 0.2922



68.5693, 0.3535, 0.3702



68.5693, 0.3157, 0.3698

Sweetspot

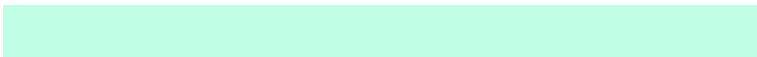
The Sweet Spot groups the original color and five complimentary colors.



68.5721, 0.2727, 0.2883



90.2638, 0.3019, 0.3186



88.3620, 0.2897, 0.3575



19.1472, 0.3009, 0.3177



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.



68.5721, 0.2727, 0.2883



62.8753, 0.2636, 0.2781



56.8279, 0.2737, 0.2592



18.6093, 0.2979, 0.3147



9.3562, 0.1694, 0.1296



1.1201, 0.1755, 0.1519

Inverse Universe

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



64.0232, 0.3437, 0.3025



57.9571, 0.3526, 0.2966



95.5931, 0.3466, 0.3917



18.1114, 0.3229, 0.3192



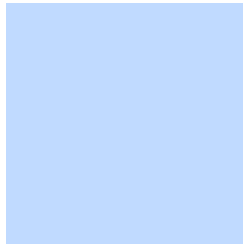
11.6725, 0.5332, 0.2711



1.1576, 0.5035, 0.2547

Previews

White Background



This preview shows how the Yxy color 68.5693, 0.2727, 0.2883 looks on a white background.

Color Contrast Check

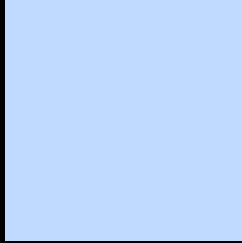
Large Text (above 18pt) WCAG AA × Fail

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 68.5693, 0.2727, 0.2883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

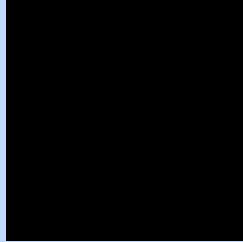
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

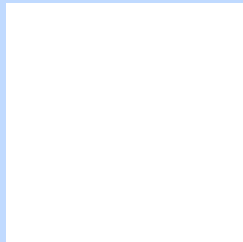
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5693, 0.2727, 0.2883

Background



This preview shows how black text looks on a background with the Yxy color 68.5693, 0.2727, 0.2883.



This preview shows how white text looks on a background with the Yxy color 68.5693, 0.2727, 0.2883.

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

68.5693, 0.2727, 0.2883

Protanopia

68.5313, 0.2843, 0.2880

Deuteranopia

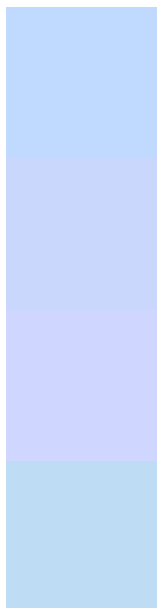
68.4075, 0.2876, 0.2824



Tritanopia

68.7048, 0.2807, 0.3097

Trichromacy



Original Color

68.5693, 0.2727, 0.2883

Protanomaly

68.2493, 0.2798, 0.2877

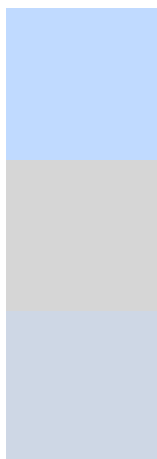
Deuteranomaly

68.5785, 0.2818, 0.2849

Tritanomaly

68.6652, 0.2778, 0.3020

Monochromacy



Original Color

68.5693, 0.2727, 0.2883

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.3798, 0.2971, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5693, 0.2727, 0.2883 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(192, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 218, 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(192, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.5693, 0.2727, 0.2883 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(192, 218, 255) }
```

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

```
.border{ border-color:rgb(192, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 218,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5693, 0.2727, 0.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 218, 255) }
```

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

```
.background{ background-color: rgb(192,  
218, 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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