

Converting Colors

Yxy(70.9683, 0.2827, 0.2898)

Have a look what the booklet for
Yxy(70.9683, 0.2827, 0.2898)
contains.

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Color

Yxy(70.7727, 0.2827, 0.2894)

Conversions

Conversions Part 1

Format	Color
Hex	D0DAFF
RGB	208, 218, 255
RGB Percent	82%, 85%, 100%
CMY	0.1843, 0.1451, 0.0000
CMYK	0.18, 0.15, 0.00, 0.00
HSL	227°, 100%, 91%
HSV	227°, 18%, 100%
XYZ	69.1342, 70.7727, 104.6428
YIQ	219.2280, -17.8370, 9.3870

Conversions

Conversions Part 2

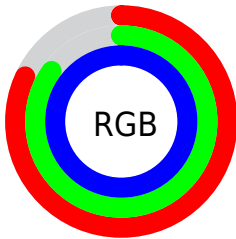
Format	Color
R _Y B	208, 216, 255
Decimal	13687551
CIE Lab	87.37, 4.08, -19.14
CIE LCh	87, 19.569, 282.048
Yxy	70.7727, 0.2827, 0.2894
Android (android.graphics.Color)	4291877631 (0xFFD0DAFF)
YUV	219.2280, 17.6356, -9.8470
Hunter-Lab	84.1265, -0.5321, -14.8608

Details

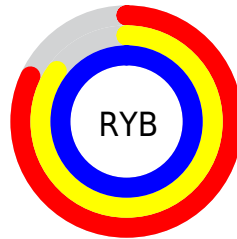
The Yxy color **70.7727, 0.2827, 0.2894** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **91.1099, 0.3423, 0.3657**, and the grayscale version is **70.8889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0439, 0.2757, 0.2804** is the 20% darker color. If you saturate the color by 10%, you get **57.5845, 0.2645, 0.2643**, and if you desaturate by 10%, it is **85.8180, 0.2996, 0.3120**.

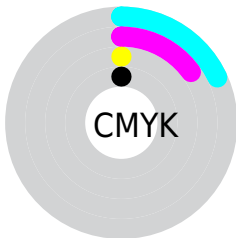
Distribution



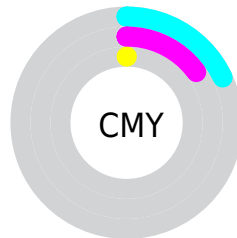
- Red (82%)
- Green (85%)
- Blue (100%)



- Red (82%)
- Yellow (85%)
- Blue (100%)



- Cyan (18%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7727, 0.2827, 0.2894 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 70.7727, 0.2827, 0.2894 by changing the saturation by 10% instead.

■ 70.7727, 0.2827,
0.2894

■ 70.7727, 0.2827,
0.2894

463.2585, 0.2966,
0.3075

■ 52.1567, 0.2795,
0.2853

120.3100, 0.2875,
0.2956

■ 37.1300, 0.2756,
0.2803

152.0002, 0.2894,
0.2981

■ 25.3082, 0.2707,
0.2740

188.8171, 0.2910,
0.3002

■ 16.3068, 0.2642,
0.2659

231.1453, 0.2924,
0.3020

■ 9.7415, 0.2555,
0.2550

279.3692, 0.2937,
0.3036

■ 5.2279, 0.2431,
0.2397

333.8731, 0.2948,

■ 2.3816, 0.2242,

0.3051

0.2169

395.0414, 0.2957,
0.3064

0.8164, 0.1925,
0.1794

0.0000, 0.0000,
0.0000

70.7727, 0.2827,
0.2894

70.7727, 0.2827,
0.2894

57.5845, 0.2645,
0.2643

85.8180, 0.2996,
0.3120

46.1761, 0.2453,
0.2368

100.0000, 0.3127,
0.3290

36.4707, 0.2258,
0.2076

28.3843, 0.2068,
0.1777

■ 21.8253, 0.1894,
0.1485

■ 16.6923, 0.1746,
0.1217

■ 12.8707, 0.1634,
0.0989

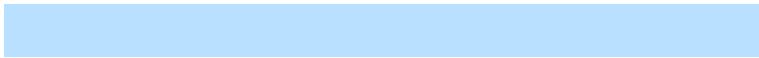
■ 10.2180, 0.1562,
0.0815

■ 9.8884, 0.1554,
0.0793

Harmonies

Analogous

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



70.7727, 0.2700, 0.2959



70.7727, 0.2827, 0.2894



70.7727, 0.3037, 0.2929

Triad

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



70.7727, 0.2827, 0.2894



70.7727, 0.3593, 0.3434



70.7727, 0.2967, 0.3548

Complementary

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



70.7727, 0.2827, 0.2894



91.1099, 0.3423, 0.3657

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.



70.7727, 0.3204, 0.3686



70.7727, 0.2827, 0.2894



70.7727, 0.3570, 0.3608

Square

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



70.7727, 0.2827, 0.2894



70.7727, 0.3485, 0.3232



70.7727, 0.3426, 0.3705



70.7727, 0.2779, 0.3335

Rectangle

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



70.7727, 0.2827, 0.2894



70.7727, 0.3198, 0.3002



70.7727, 0.3426, 0.3705



70.7727, 0.3044, 0.3606

Sweetspot

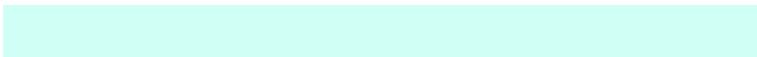
The Sweet Spot groups the original color and five complimentary colors.



70.7741, 0.2827, 0.2894



89.7696, 0.3035, 0.3171



91.5099, 0.2902, 0.3395



18.9851, 0.3025, 0.3157



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.



70.7741, 0.2827, 0.2894



65.8629, 0.2764, 0.2807



67.7483, 0.2911, 0.2797



18.0048, 0.2979, 0.3097



5.3406, 0.1560, 0.0816



0.6702, 0.1614, 0.1011

Inverse Universe

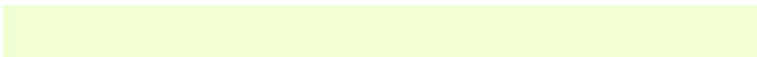
The Inverse Universe completely reimagines the original color for something new.



71.4296, 0.3413, 0.3189



66.7565, 0.3483, 0.3169



94.8944, 0.3318, 0.3764



18.0504, 0.3261, 0.3240



11.2671, 0.6045, 0.3104



1.1122, 0.5741, 0.2936

Previews

White Background



This preview shows how the Yxy color 70.7727, 0.2827, 0.2894 looks on a white background.

Color Contrast Check

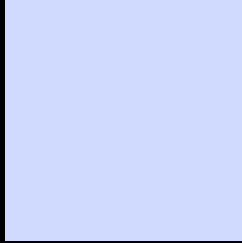
Large Text (above 18pt) WCAG AA × Fail

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 70.7727, 0.2827, 0.2894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

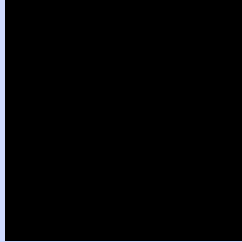
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7727, 0.2827, 0.2894

Background



This preview shows how black text looks on a background with the Yxy color 70.7727, 0.2827, 0.2894.

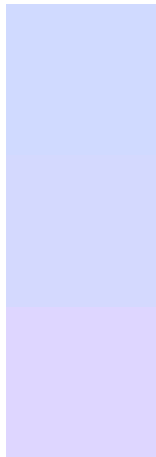


This preview shows how white text looks on a background with the Yxy color 70.7727, 0.2827, 0.2894.

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

70.7727, 0.2827, 0.2894

Protanopia

70.7785, 0.2858, 0.2896

Deuteranopia

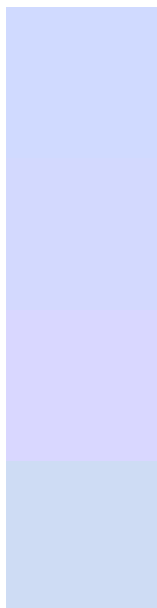
70.8427, 0.2918, 0.2862



Tritanopia

70.8651, 0.2910, 0.3103

Trichromacy



Original Color

70.7727, 0.2827, 0.2894

Protanomaly

70.6303, 0.2852, 0.2896

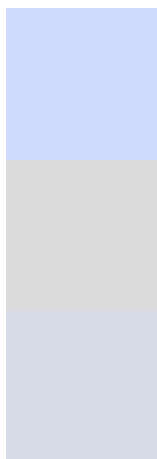
Deuteranomaly

70.5726, 0.2884, 0.2868

Tritanomaly

70.8399, 0.2880, 0.3028

Monochromacy



Original Color

70.7727, 0.2827, 0.2894

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.9363, 0.3015, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7727, 0.2827, 0.2894 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, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.7727, 0.2827, 0.2894 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, 218, 255) }
```

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

```
.border{ border-color:rgb(208, 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(208, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 218,  
255) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 70.7727, 0.2827, 0.2894$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 218, 255) }
```

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

```
.background{ background-color: rgb(208,  
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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