

Converting Colors

$Yxy(70.6122, 0.2698, 0.2768)$

Have a look what the booklet for
Yxy(70.6122, 0.2698, 0.2768)
contains.

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Color

Yxy(70.0251, 0.2771, 0.2899)

Conversions

Conversions Part 1

Format	Color
Hex	C7DBFF
RGB	199, 219, 255
RGB Percent	78%, 86%, 100%
CMY	0.2196, 0.1412, 0.0000
CMYK	0.22, 0.14, 0.00, 0.00
HSL	219°, 100%, 89%
HSV	219°, 22%, 100%
XYZ	66.9333, 70.0251, 104.5908
YIQ	217.1240, -23.4760, 6.9560

Conversions

Conversions Part 2

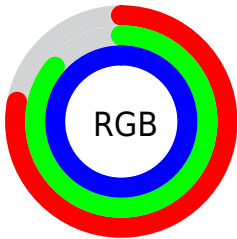
Format	Color
R _Y B	199, 214, 255
Decimal	13097983
CIE Lab	87.01, 0.84, -19.73
CIE LCh	87, 19.752, 272.425
Yxy	70.0251, 0.2771, 0.2899
Android (android.graphics.Color)	4291288063 (0xFFC7DBFF)
YUV	217.1240, 18.6729, -15.8947
Hunter-Lab	83.6810, -3.6663, -15.5284

Details

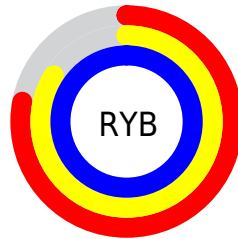
The Yxy color **70.0251, 0.2771, 0.2899** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.7929, 0.3500, 0.3652**, and the grayscale version is **69.3605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5574, 0.2687, 0.2809** is the 20% darker color. If you saturate the color by 10%, you get **58.6923, 0.2596, 0.2689**, and if you desaturate by 10%, it is **82.7900, 0.2939, 0.3089**.

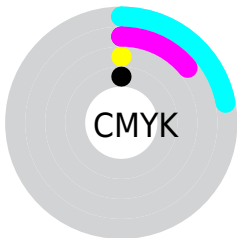
Distribution



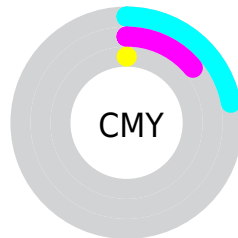
- Red (78%)
- Green (86%)
- Blue (100%)



- Red (78%)
- Yellow (84%)
- Blue (100%)



- Cyan (22%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0251, 0.2771, 0.2899 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 70.0251, 0.2771, 0.2899 by changing the saturation by 10% instead.

■ 70.0251, 0.2771,
0.2899

■ 70.0251, 0.2771,
0.2899

460.6381, 0.2936,
0.3079

■ 51.5470, 0.2734,
0.2858

119.2445, 0.2828,
0.2961

■ 36.6441, 0.2688,
0.2808

150.7547, 0.2850,
0.2986

■ 24.9321, 0.2630,
0.2745

187.3776, 0.2869,
0.3007

■ 16.0265, 0.2554,
0.2663

229.4978, 0.2886,
0.3025

■ 9.5429, 0.2452,
0.2552

277.4995, 0.2901,
0.3041

■ 5.0969, 0.2308,
0.2396

331.7672, 0.2914,

■ 2.3043, 0.2091,

0.3055

0.2161

392.6853, 0.2925,
0.3068

0.7760, 0.1728,
0.1769

0.0000, 0.0000,
0.0000

70.0251, 0.2771,
0.2899

70.0251, 0.2771,
0.2899

58.6923, 0.2596,
0.2689

82.7900, 0.2939,
0.3089

48.7297, 0.2417,
0.2460

97.0286, 0.3097,
0.3259

40.0831, 0.2240,
0.2217

99.9997, 0.3127,
0.3290

32.6913, 0.2072,
0.1967

■ 26.4871, 0.1921,
0.1717

■ 21.3958, 0.1795,
0.1478

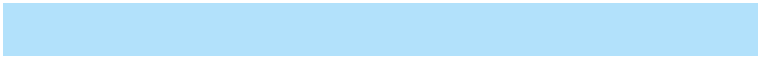
■ 17.3315, 0.1698,
0.1262

■ 14.7199, 0.1641,
0.1108

Harmonies

Analogous

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



70.0251, 0.2676, 0.2997



70.0251, 0.2771, 0.2899



70.0251, 0.2961, 0.2903

Triad

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



70.0251, 0.2771, 0.2899



70.0251, 0.3578, 0.3370



70.0251, 0.3039, 0.3608

Complementary

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



70.0251, 0.2771, 0.2899



84.7929, 0.3500, 0.3652

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.



70.0251, 0.3281, 0.3712



70.0251, 0.2771, 0.2899



70.0251, 0.3598, 0.3561

Square

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



70.0251, 0.2771, 0.2899



70.0251, 0.3431, 0.3168



70.0251, 0.3488, 0.3690



70.0251, 0.2827, 0.3409

Rectangle

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



70.0251, 0.2771, 0.2899



70.0251, 0.3120, 0.2958



70.0251, 0.3488, 0.3690



70.0251, 0.3120, 0.3656

Sweetspot

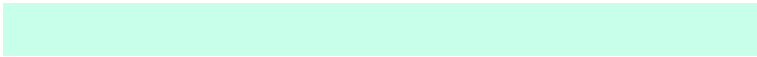
The Sweet Spot groups the original color and five complimentary colors.



70.0279, 0.2771, 0.2899



89.6677, 0.3019, 0.3176



89.6261, 0.2906, 0.3509



19.0093, 0.3009, 0.3166



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.



70.0279, 0.2771, 0.2899



65.2816, 0.2701, 0.2816



61.2551, 0.2805, 0.2682



18.4397, 0.2979, 0.3133



7.9469, 0.1650, 0.1138



0.9713, 0.1712, 0.1363

Inverse Universe

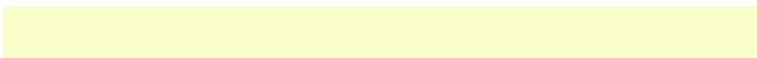
The Inverse Universe completely reimagines the original color for something new.



67.2206, 0.3419, 0.3087



62.2993, 0.3488, 0.3048



95.5108, 0.3410, 0.3849



18.0943, 0.3238, 0.3205



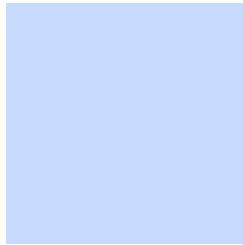
11.5302, 0.5555, 0.2834



1.1426, 0.5241, 0.2661

Previews

White Background



This preview shows how the Yxy color 70.0251, 0.2771, 0.2899 looks on a white background.

Color Contrast Check

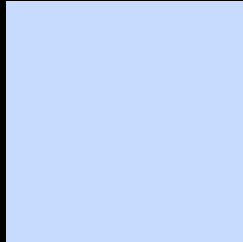
Large Text (above 18pt) WCAG AA × Fail

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 70.0251, 0.2771, 0.2899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

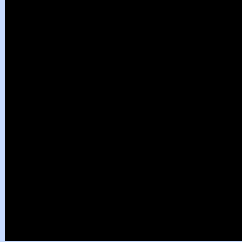
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

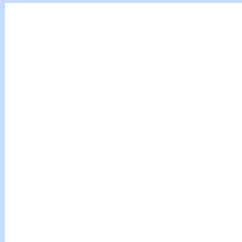
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0251, 0.2771, 0.2899

Background



This preview shows how black text looks on a background with the Yxy color 70.0251, 0.2771, 0.2899.



This preview shows how white text looks on a background with the Yxy color 70.0251, 0.2771, 0.2899.

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

70.0251, 0.2771, 0.2899

Protanopia

70.0525, 0.2857, 0.2895

Deuteranopia

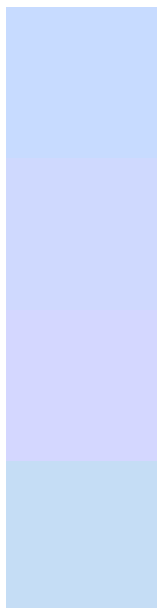
70.0241, 0.2904, 0.2849



Tritanopia

70.2103, 0.2846, 0.3100

Trichromacy



Original Color

70.0251, 0.2771, 0.2899

Protanomaly

70.0469, 0.2826, 0.2893

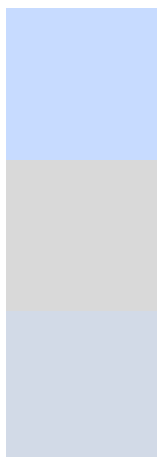
Deuteranomaly

69.8179, 0.2851, 0.2864

Tritanomaly

70.1758, 0.2817, 0.3024

Monochromacy



Original Color

70.0251, 0.2771, 0.2899

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.6140, 0.2986, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0251, 0.2771, 0.2899 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(199, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 219, 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(199, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.0251, 0.2771, 0.2899 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(199, 219, 255) }
```

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

```
.border{ border-color:rgb(199, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 219, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 219, 255); box-shadow:4px 4px 4px 4px rgb(199, 219, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0251, 0.2771, 0.2899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 219, 255) }
```

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

```
.background{ background-color: rgb(199,  
219, 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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