

Converting Colors

$Yxy(70.0064, 0.2782, 0.2922)$

Have a look what the booklet for
Yxy(70.0064, 0.2782, 0.2922)
contains.

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Color

Yxy(69.8970, 0.2782, 0.2919)

Conversions

Conversions Part 1

Format	Color
Hex	C7DBFD
RGB	199, 219, 253
RGB Percent	78%, 86%, 99%
CMY	0.2197, 0.1412, 0.0077
CMYK	0.21, 0.13, 0.00, 0.01
HSL	218°, 93%, 89%
HSV	218°, 21%, 99%
XYZ	66.6165, 69.8970, 102.9418
YIQ	216.8960, -22.8340, 6.3340

Conversions

Conversions Part 2

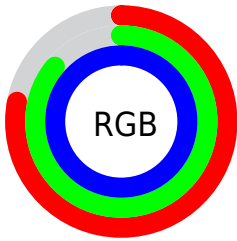
Format	Color
R_{YB}	199, 214, 253
Decimal	13097981
CIE _{Lab}	86.95, 0.40, -18.80
CIE _{LCh}	87, 18.805, 271.230
Yxy	69.8970, 0.2782, 0.2919
Android (android.graphics.Color)	4291288061 (0xFFC7DBFD)
YUV	216.8960, 17.7993, -15.6948
Hunter-Lab	83.6044, -4.0780, -14.4805

Details

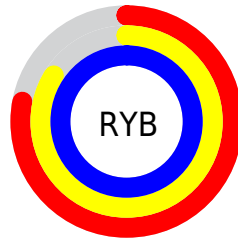
The Yxy color **69.8970, 0.2782, 0.2919** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.3054, 0.3490, 0.3635**, and the grayscale version is **69.2021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.4657, 0.2701, 0.2835** is the 20% darker color. If you saturate the color by 10%, you get **58.8016, 0.2608, 0.2714**, and if you desaturate by 10%, it is **82.3694, 0.2949, 0.3104**.

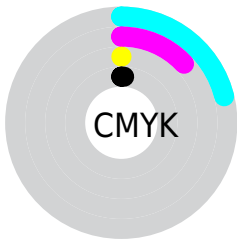
Distribution



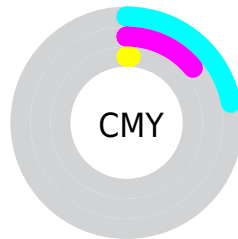
- Red (78%)
- Green (86%)
- Blue (99%)



- Red (78%)
- Yellow (84%)
- Blue (99%)



- Cyan (21%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)



- Cyan (22%)
- Magenta (14%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8970, 0.2782, 0.2919 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 69.8970, 0.2782, 0.2919 by changing the saturation by 10% instead.

■ 69.8970, 0.2782,
0.2919

■ 69.8970, 0.2782,
0.2919

460.1883, 0.2942,
0.3090

■ 51.4426, 0.2746,
0.2880

119.0619, 0.2837,
0.2978

■ 36.5609, 0.2701,
0.2832

150.5411, 0.2859,
0.3001

■ 24.8677, 0.2645,
0.2772

187.1307, 0.2877,
0.3021

■ 15.9785, 0.2571,
0.2693

229.2151, 0.2893,
0.3039

■ 9.5090, 0.2472,
0.2587

277.1786, 0.2908,
0.3054

■ 5.0746, 0.2332,
0.2437

331.4057, 0.2920,

■ 2.2911, 0.2118,

0.3067

0.2210

392.2808, 0.2931,
0.3079

0.7690, 0.1757,
0.1824

0.0000, 0.0000,
0.0000

69.8970, 0.2782,
0.2919

69.8970, 0.2782,
0.2919

58.8016, 0.2608,
0.2714

82.3694, 0.2949,
0.3104

49.0240, 0.2430,
0.2492

96.2582, 0.3107,
0.3269

40.5129, 0.2255,
0.2255

99.8744, 0.3138,
0.3309

33.2102, 0.2088,
0.2009

■ 27.0521, 0.1938,
0.1764

■ 21.9678, 0.1811,
0.1527

■ 17.8760, 0.1713,
0.1310

■ 15.0466, 0.1651,
0.1144

Harmonies

Analogous

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



69.8970, 0.2696, 0.3017



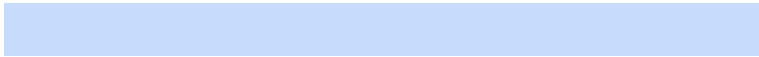
69.8970, 0.2782, 0.2919



69.8970, 0.2960, 0.2918

Triad

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



69.8970, 0.2782, 0.2919



69.8970, 0.3553, 0.3359



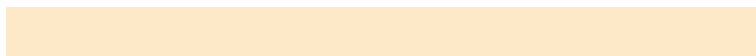
69.8970, 0.3053, 0.3598

Complementary

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



69.8970, 0.2782, 0.2919



83.3054, 0.3490, 0.3635

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.



69.8970, 0.3283, 0.3693



69.8970, 0.2782, 0.2919



69.8970, 0.3578, 0.3543

Square

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



69.8970, 0.2782, 0.2919



69.8970, 0.3409, 0.3167



69.8970, 0.3477, 0.3668



69.8970, 0.2848, 0.3412

Rectangle

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



69.8970, 0.2782, 0.2919



69.8970, 0.3111, 0.2969



69.8970, 0.3477, 0.3668



69.8970, 0.3130, 0.3642

Sweetspot

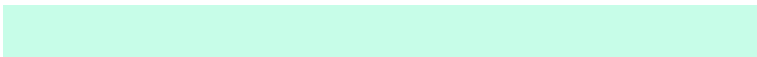
The Sweet Spot groups the original color and five complimentary colors.



69.8998, 0.2782, 0.2919



91.2190, 0.3035, 0.3195



88.2612, 0.2917, 0.3512



19.3269, 0.3024, 0.3184



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.



69.8998, 0.2782, 0.2919



65.7152, 0.2702, 0.2826



60.9569, 0.2809, 0.2700



18.4794, 0.2979, 0.3136



8.2561, 0.1659, 0.1174



1.0045, 0.1722, 0.1398

Inverse Universe

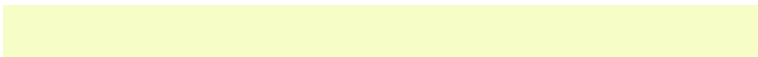
The Inverse Universe completely reimagines the original color for something new.



66.8463, 0.3404, 0.3086



62.3431, 0.3481, 0.3039



94.1252, 0.3408, 0.3832



18.0983, 0.3236, 0.3202



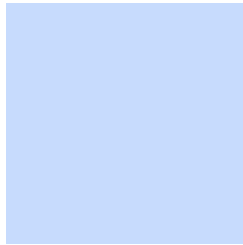
11.5614, 0.5504, 0.2806



1.1459, 0.5193, 0.2634

Previews

White Background



This preview shows how the Yxy color 69.8970, 0.2782, 0.2919 looks on a white background.

Color Contrast Check

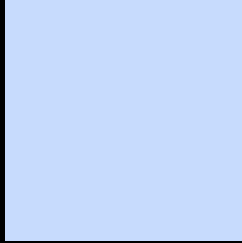
Large Text (above 18pt) WCAG AA × Fail

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 69.8970, 0.2782, 0.2919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

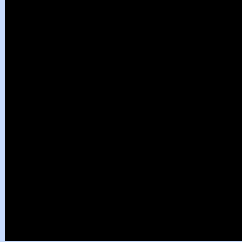
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

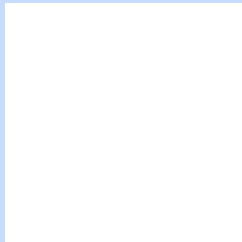
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.8970, 0.2782, 0.2919

Background



This preview shows how black text looks on a background with the Yxy color 69.8970, 0.2782, 0.2919.

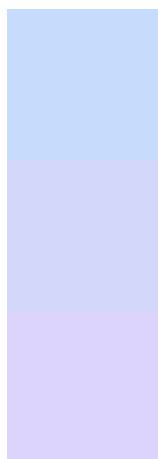


This preview shows how white text looks on a background with the Yxy color 69.8970, 0.2782, 0.2919.

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

69.8970, 0.2782, 0.2919

Protanopia

69.9257, 0.2869, 0.2915

Deuteranopia

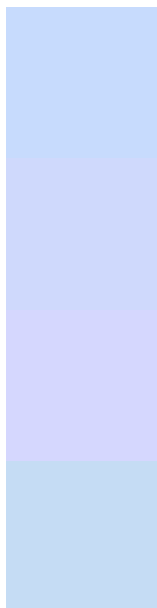
69.6149, 0.2916, 0.2849



Tritanopia

69.6807, 0.2846, 0.3089

Trichromacy



Original Color

69.8970, 0.2782, 0.2919

Protanomaly

69.9194, 0.2838, 0.2913

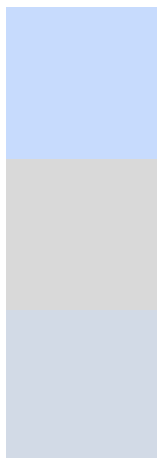
Deuteranomaly

69.9028, 0.2864, 0.2875

Tritanomaly

69.5884, 0.2822, 0.3024

Monochromacy



Original Color

69.8970, 0.2782, 0.2919

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.5576, 0.2993, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8970, 0.2782, 0.2919 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(199, 219, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 219, 253) }
```

Border

The CSS property to change the border of an element to Yxy 69.8970, 0.2782, 0.2919 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, 253) }
```

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

```
.border{ border-color:rgb(199, 219, 253) }
```

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, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 219, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 219, 253);  
box-shadow:4px 4px 4px 4px rgb(199, 219,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8970, 0.2782, 0.2919 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, 253) }
```

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

```
.background{ background-color: rgb(199,  
219, 253) }
```

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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