

Converting Colors

$Yxy(70.8931, 0.2817, 0.2979)$

Have a look what the booklet for
Yxy(70.8931, 0.2817, 0.2979)
contains.

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Color

Yxy(70.9700, 0.2819, 0.2984)

Conversions

Conversions Part 1

Format	Color
Hex	C9DDF9
RGB	201, 221, 249
RGB Percent	79%, 87%, 98%
CMY	0.2118, 0.1333, 0.0234
CMYK	0.19, 0.11, 0.00, 0.02
HSL	215°, 80%, 88%
HSV	215°, 19%, 98%
XYZ	67.0457, 70.9700, 99.8194
YIQ	218.2120, -20.9080, 4.4680

Conversions

Conversions Part 2

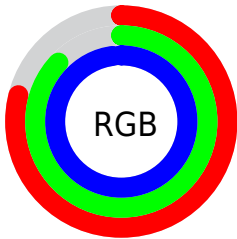
Format	Color
R _Y B	201, 215, 249
Decimal	13229561
CIE Lab	87.47, -0.90, -15.89
CIE LCh	87, 15.917, 266.746
Yxy	70.9700, 0.2819, 0.2984
Android (android.graphics.Color)	4291419641 (0xFFC9DDF9)
YUV	218.2120, 15.1785, -15.0949
Hunter-Lab	84.2437, -5.3664, -11.2815

Details

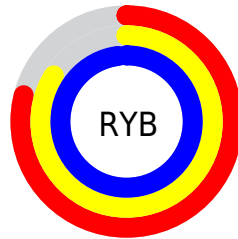
The Yxy color **70.9700, 0.2819, 0.2984** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.4197, 0.3455, 0.3578**, and the grayscale version is **70.1711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.2337, 0.2740, 0.2906** is the 20% darker color. If you saturate the color by 10%, you get **60.4518, 0.2649, 0.2799**, and if you desaturate by 10%, it is **82.7178, 0.2983, 0.3151**.

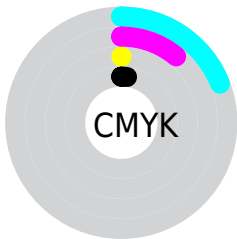
Distribution



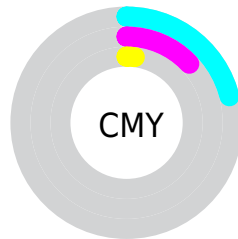
- Red (79%)
- Green (87%)
- Blue (98%)



- Red (79%)
- Yellow (84%)
- Blue (98%)



- Cyan (19%)
- Magenta (11%)
- Yellow (0%)
- Black (2%)



- Cyan (21%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9700, 0.2819, 0.2984 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 70.9700, 0.2819, 0.2984 by changing the saturation by 10% instead.

■ 70.9700, 0.2819,
0.2984

■ 70.9700, 0.2819,
0.2984

463.9486, 0.2961,
0.3126

■ 52.3177, 0.2787,
0.2952

120.5910, 0.2868,
0.3033

■ 37.2584, 0.2747,
0.2912

152.3285, 0.2887,
0.3052

■ 25.4076, 0.2697,
0.2862

189.1966, 0.2904,
0.3069

■ 16.3810, 0.2631,
0.2796

231.5795, 0.2918,
0.3083

■ 9.7942, 0.2543,
0.2707

279.8618, 0.2931,
0.3096

■ 5.2627, 0.2417,
0.2580

334.4278, 0.2942,

■ 2.4022, 0.2225,

0.3107

0.2386

395.6619, 0.2952,
0.3117

0.8270, 0.1897,
0.2054

0.0000, 0.0000,
0.0000

70.9700, 0.2819,
0.2984

70.9700, 0.2819,
0.2984

60.4518, 0.2649,
0.2799

82.7178, 0.2983,
0.3151

51.1108, 0.2477,
0.2597

95.7278, 0.3138,
0.3300

42.9034, 0.2306,
0.2381

99.6221, 0.3162,
0.3347

35.7795, 0.2143,
0.2155

■ 29.6844, 0.1995,
0.1925

■ 24.5575, 0.1868,
0.1699

■ 20.3295, 0.1767,
0.1486

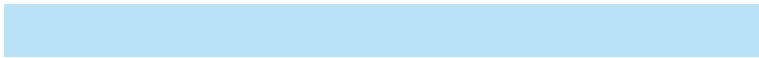
■ 16.9040, 0.1694,
0.1292

■ 16.6852, 0.1689,
0.1279

Harmonies

Analogous

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



70.9700, 0.2759, 0.3080



70.9700, 0.2819, 0.2984



70.9700, 0.2961, 0.2970

Triad

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



70.9700, 0.2819, 0.2984



70.9700, 0.3473, 0.3325



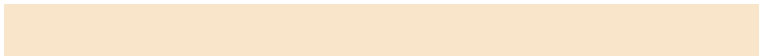
70.9700, 0.3095, 0.3566

Complementary

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



70.9700, 0.2819, 0.2984



80.4197, 0.3455, 0.3578

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.



70.9700, 0.3287, 0.3631



70.9700, 0.2819, 0.2984



70.9700, 0.3510, 0.3484

Square

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



70.9700, 0.2819, 0.2984



70.9700, 0.3340, 0.3163



70.9700, 0.3441, 0.3598



70.9700, 0.2915, 0.3419

Rectangle

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



70.9700, 0.2819, 0.2984



70.9700, 0.3085, 0.3005



70.9700, 0.3441, 0.3598



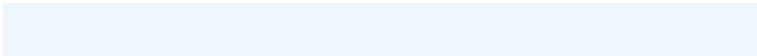
70.9700, 0.3160, 0.3598

Sweetspot

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



70.9729, 0.2819, 0.2984



91.6480, 0.3035, 0.3202



85.8513, 0.2945, 0.3506



19.4282, 0.3024, 0.3192



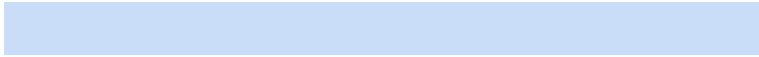
0.0000, 0.0000, 0.0000



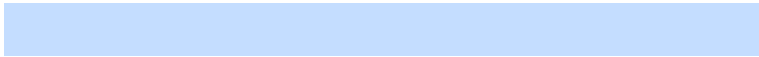
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9729, 0.2819, 0.2984



70.5969, 0.2756, 0.2917



61.5909, 0.2833, 0.2762



17.8307, 0.2979, 0.3148



9.1934, 0.1697, 0.1309



1.0553, 0.1762, 0.1542

Inverse Universe

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



67.1378, 0.3354, 0.3084



66.1064, 0.3409, 0.3042



91.4122, 0.3391, 0.3776



17.3451, 0.3228, 0.3192



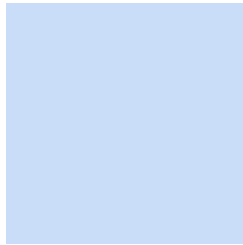
11.3390, 0.5314, 0.2701



1.0708, 0.5005, 0.2531

Previews

White Background



This preview shows how the Yxy color 70.9700, 0.2819, 0.2984 looks on a white background.

Color Contrast Check

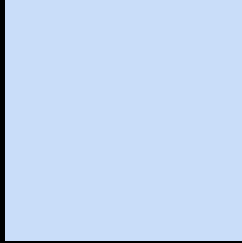
Large Text (above 18pt) WCAG AA × Fail

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 70.9700, 0.2819, 0.2984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

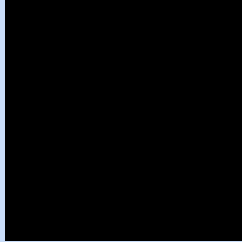
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

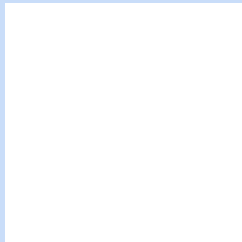
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.9700, 0.2819, 0.2984

Background



This preview shows how black text looks on a background with the Yxy color 70.9700, 0.2819, 0.2984.



This preview shows how white text looks on a background with the Yxy color 70.9700, 0.2819, 0.2984.

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

70.9700, 0.2819, 0.2984

Protanopia

70.7882, 0.2920, 0.2969

Deuteranopia

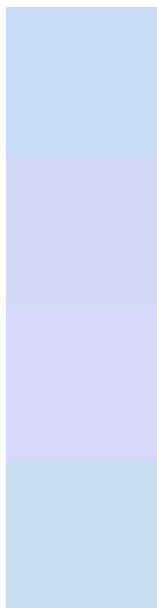
70.5611, 0.2963, 0.2893



Tritanopia

70.6759, 0.2860, 0.3090

Trichromacy



Original Color

70.9700, 0.2819, 0.2984

Protanomaly

70.6218, 0.2882, 0.2967

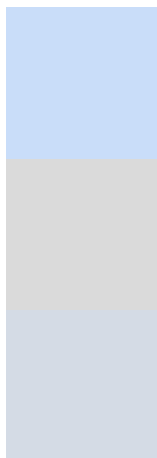
Deuteranomaly

70.6128, 0.2909, 0.2929

Tritanomaly

70.9930, 0.2848, 0.3058

Monochromacy



Original Color

70.9700, 0.2819, 0.2984

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.3172, 0.3013, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9700, 0.2819, 0.2984 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(201, 221, 249)` looks like.

```
.text, #text, p{  
    color:rgb(201, 221, 249)  
}
```

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(201, 221, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 221, 249) }
```

Border

The CSS property to change the border of an element to Yxy 70.9700, 0.2819, 0.2984 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(201, 221, 249) }
```

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

```
.border{ border-color:rgb(201, 221, 249) }
```

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

Here you see how a box with a 4 pixel rgb(201, 221, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 221, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 221, 249);  
box-shadow:4px 4px 4px 4px rgb(201, 221,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9700, 0.2819, 0.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 221, 249) }
```

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

```
.background{ background-color: rgb(201,  
221, 249) }
```

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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