

Converting Colors

$Yxy(70.8008, 0.2944, 0.3224)$

Have a look what the booklet for
Yxy(70.8008, 0.2944, 0.3224)
contains.

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Color

Yxy(70.8500, 0.2939, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	C9DFE5
RGB	201, 223, 229
RGB Percent	79%, 87%, 90%
CMY	0.2116, 0.1255, 0.1019
CMYK	0.12, 0.03, 0.00, 0.10
HSL	193°, 35%, 84%
HSV	193°, 12%, 90%
XYZ	64.6270, 70.8500, 84.4175
YIQ	217.1060, -15.0380, -2.7980

Conversions

Conversions Part 2

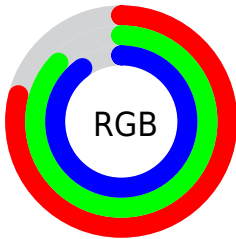
Format	Color
R _Y B	201, 213, 229
Decimal	13230053
CIE Lab	87.41, -6.07, -5.44
CIE LCh	87, 8.149, 221.848
Yxy	70.8500, 0.2939, 0.3222
Android (android.graphics.Color)	4291420133 (0xFFC9DFE5)
YUV	217.1060, 5.8637, -14.1250
Hunter-Lab	84.1724, -10.2508, -0.5419

Details

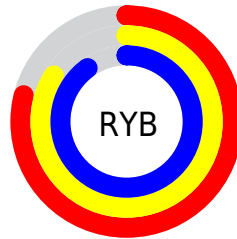
The Yxy color **70.8500, 0.2939, 0.3222** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.5391, 0.3340, 0.3357**, and the grayscale version is **69.4372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.2643, 0.2893, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **65.3118, 0.2788, 0.3160**, and if you desaturate by 10%, it is **76.9443, 0.3093, 0.3278**.

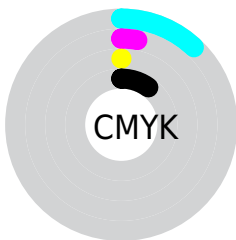
Distribution



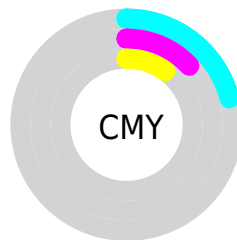
- Red (79%)
- Green (87%)
- Blue (90%)



- Red (79%)
- Yellow (84%)
- Blue (90%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)



- Cyan (21%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8500, 0.2939, 0.3222 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 70.8500, 0.2939, 0.3222 by changing the saturation by 10% instead.

■ 70.8500, 0.2939,
0.3222

■ 70.8500, 0.2939,
0.3222

463.5289, 0.3026,
0.3254

■ 52.2198, 0.2919,
0.3214

120.4201, 0.2969,
0.3233

■ 37.1803, 0.2895,
0.3205

152.1288, 0.2981,
0.3238

■ 25.3471, 0.2863,
0.3193

188.9658, 0.2991,
0.3242

■ 16.3359, 0.2823,
0.3177

231.3155, 0.3000,
0.3245

■ 9.7621, 0.2767,
0.3154

279.5622, 0.3008,
0.3248

■ 5.2415, 0.2687,
0.3120

334.0905, 0.3014,

■ 2.3897, 0.2560,

0.3250

395.2846, 0.3021,
0.3252

0.3065

0.8206, 0.2289,
0.2973

0.0000, 0.0000,
0.0000

70.8500, 0.2939,
0.3222

70.8500, 0.2939,
0.3222

65.3118, 0.2788,
0.3160

76.9443, 0.3093,
0.3278

60.2994, 0.2644,
0.3094

83.6059, 0.3247,
0.3329

55.7925, 0.2509,
0.3023

87.9533, 0.3298,
0.3377

51.7661, 0.2387,
0.2948

90.8642, 0.3293,
0.3425

■ 48.1930, 0.2281,
0.2870

■ 93.8544, 0.3287,
0.3472

■ 45.0422, 0.2193,
0.2791

■ 96.9248, 0.3282,
0.3519

■ 42.2788, 0.2124,
0.2711

■ 98.4387, 0.3279,
0.3542

■ 39.8604, 0.2075,
0.2631

■ 38.1660, 0.2047,
0.2570

Harmonies

Analogous

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



70.8500, 0.2981, 0.3311



70.8500, 0.2939, 0.3222



70.8500, 0.2946, 0.3153

Triad

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



70.8500, 0.2939, 0.3222



70.8500, 0.3191, 0.3188



70.8500, 0.3253, 0.3461

Complementary

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



70.8500, 0.2939, 0.3222



65.5391, 0.3340, 0.3357

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.



70.8500, 0.3311, 0.3425



70.8500, 0.2939, 0.3222



70.8500, 0.3275, 0.3267

Square

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



70.8500, 0.2939, 0.3222



70.8500, 0.3090, 0.3135



70.8500, 0.3319, 0.3353



70.8500, 0.3162, 0.3451

Rectangle

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



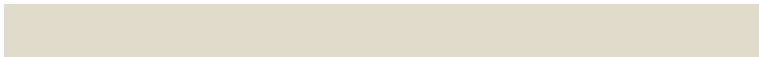
70.8500, 0.2939, 0.3222



70.8500, 0.2978, 0.3128



70.8500, 0.3319, 0.3353



70.8500, 0.3277, 0.3454

Sweetspot

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



70.8530, 0.2939, 0.3222



96.7218, 0.3065, 0.3269



72.9632, 0.3077, 0.3545



20.5733, 0.3053, 0.3264



0.0000, 0.0000, 0.0000



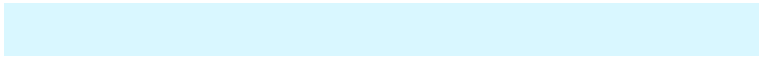
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8530, 0.2939, 0.3222



88.3057, 0.2895, 0.3205



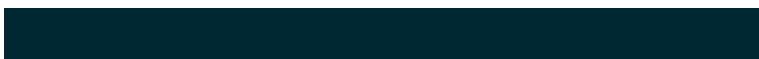
63.8935, 0.2936, 0.3067



15.7814, 0.2981, 0.3238



21.9985, 0.2051, 0.2583



1.7571, 0.2083, 0.2698

Inverse Universe

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



63.7785, 0.3185, 0.3053



77.4573, 0.3200, 0.2995



72.3987, 0.3321, 0.3503



14.5592, 0.3171, 0.3108



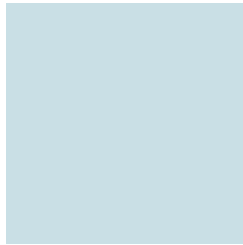
11.4185, 0.3841, 0.1890



0.8571, 0.3730, 0.1829

Previews

White Background



This preview shows how the Yxy color 70.8500, 0.2939, 0.3222 looks on a white background.

Color Contrast Check

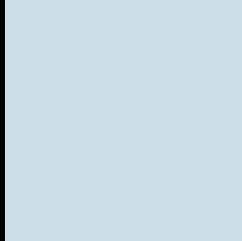
Large Text (above 18pt) WCAG AA × Fail

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 70.8500, 0.2939, 0.3222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

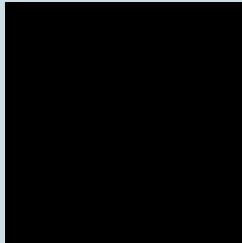
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

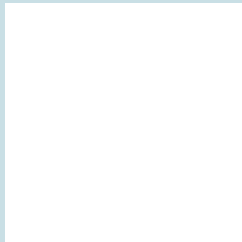
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8500, 0.2939, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 70.8500, 0.2939, 0.3222.

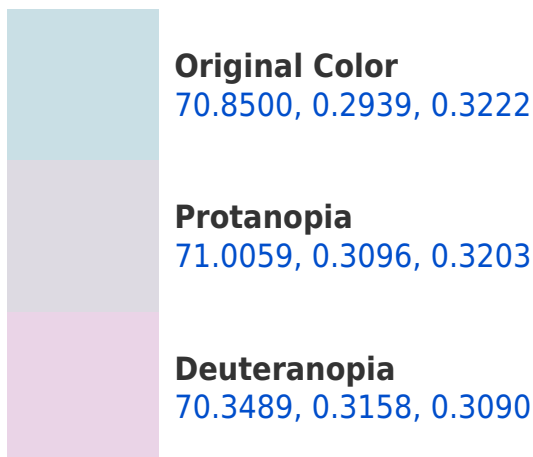


This preview shows how white text looks on a background with the Yxy color 70.8500, 0.2939, 0.3222.

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

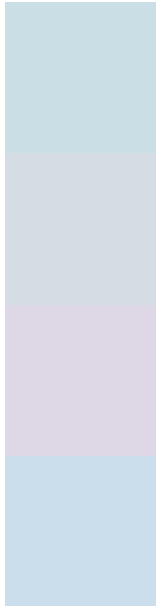




Tritanopia

70.6414, 0.2891, 0.3091

Trichromacy



Original Color

70.8500, 0.2939, 0.3222

Protanomaly

71.0286, 0.3039, 0.3213

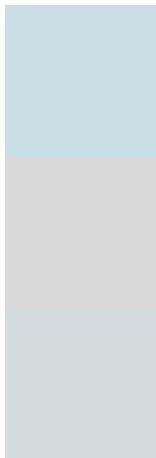
Deuteranomaly

70.3545, 0.3077, 0.3139

Tritanomaly

70.7973, 0.2909, 0.3145

Monochromacy



Original Color

70.8500, 0.2939, 0.3222

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.7324, 0.3057, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8500, 0.2939, 0.3222 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, 223, 229)` looks like.

```
.text, #text, p{  
    color:rgb(201, 223, 229)  
}
```

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, 223, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 223, 229) }
```

Border

The CSS property to change the border of an element to Yxy 70.8500, 0.2939, 0.3222 is called "border". The border property can be set on classes, ids or directly on the HTML element.

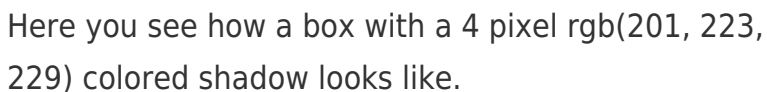
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 223, 229) }
```

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

```
.border{ border-color:rgb(201, 223, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(201, 223, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 223, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 223, 229); box-shadow:4px 4px 4px 4px rgb(201, 223, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8500, 0.2939, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 223, 229) }
```

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

```
.background{ background-color: rgb(201,  
223, 229) }
```

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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