

# Converting Colors

$Yxy(70.0154, 0.2914, 0.3193)$

Have a look what the booklet for  
Yxy(70.0154, 0.2914, 0.3193)  
contains.

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# Color

**Yxy(70.0978, 0.2919, 0.3200)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7DEE6
RGB	199, 222, 230
RGB Percent	78%, 87%, 90%
CMY	0.2199, 0.1293, 0.0981
CMYK	0.14, 0.03, 0.00, 0.10
HSL	195°, 38%, 84%
HSV	195°, 14%, 90%
XYZ	63.9423, 70.0978, 85.0155
YIQ	216.0350, -16.2760, -2.3880

# Conversions

## Conversions Part 2

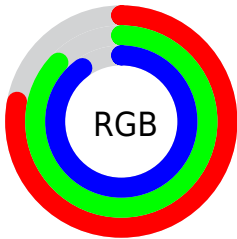
Format	Color
R <sub>Y</sub> B	199, 212, 230
Decimal	13098726
CIE Lab	87.04, -6.05, -6.50
CIE LCh	87, 8.878, 227.088
Yxy	70.0978, 0.2919, 0.3200
Android (android.graphics.Color)	4291288806 (0xFFC7DEE6)
YUV	216.0350, 6.8847, -14.9397
Hunter-Lab	83.7244, -10.1931, -1.5972

# Details

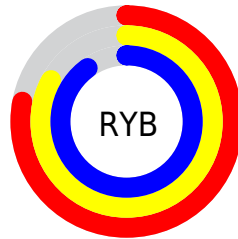
The Yxy color **70.0978, 0.2919, 0.3200** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.5186, 0.3363, 0.3378**, and the grayscale version is **68.6489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7523, 0.2868, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **64.1104, 0.2767, 0.3126**, and if you desaturate by 10%, it is **76.6761, 0.3073, 0.3268**.

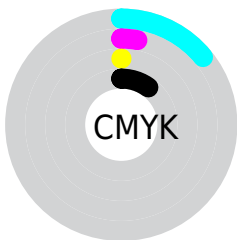
# Distribution



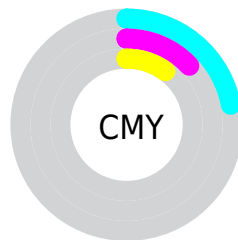
- Red (78%)
- Green (87%)
- Blue (90%)



- Red (78%)
- Yellow (83%)
- Blue (90%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)



- Cyan (22%)
- Magenta (13%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0978, 0.2919, 0.3200 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 70.0978, 0.2919, 0.3200 by changing the saturation by 10% instead.



■ 70.0978, 0.2919,  
0.3200

■ 70.0978, 0.2919,  
0.3200

460.8933, 0.3015,  
0.3243

■ 51.6063, 0.2897,  
0.3190

119.3482, 0.2952,  
0.3215

■ 36.6913, 0.2870,  
0.3177

150.8759, 0.2965,  
0.3221

■ 24.9686, 0.2835,  
0.3161

187.5177, 0.2977,  
0.3226

■ 16.0537, 0.2790,  
0.3140

229.6581, 0.2986,  
0.3230

■ 9.5621, 0.2728,  
0.3110

277.6815, 0.2995,  
0.3234

■ 5.1096, 0.2639,  
0.3066

331.9722, 0.3003,

■ 2.3117, 0.2498,

0.3237

0.2994

392.9147, 0.3009,  
0.3240

0.7799, 0.2184,  
0.2869

0.0000, 0.0000,  
0.0000

70.0978, 0.2919,  
0.3200

70.0978, 0.2919,  
0.3200

64.1104, 0.2767,  
0.3126

76.6761, 0.3073,  
0.3268

58.6827, 0.2621,  
0.3045

83.8576, 0.3227,  
0.3329

53.7937, 0.2483,  
0.2959

89.1298, 0.3290,  
0.3386

49.4173, 0.2358,  
0.2868

92.6549, 0.3284,  
0.3443

■ 45.5251, 0.2248,  
0.2774

■ 96.2938, 0.3277,  
0.3499

■ 42.0849, 0.2156,  
0.2678

■ 98.4927, 0.3274,  
0.3532

■ 39.0601, 0.2085,  
0.2581

■ 36.4062, 0.2032,  
0.2485

■ 34.8365, 0.2007,  
0.2424

# Harmonies

## Analogous

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



70.0978, 0.2956, 0.3295



70.0978, 0.2919, 0.3200



70.0978, 0.2936, 0.3131

# Triad

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



70.0978, 0.2919, 0.3200



70.0978, 0.3215, 0.3192



70.0978, 0.3249, 0.3480

# Complementary

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



70.0978, 0.2919, 0.3200



65.5186, 0.3363, 0.3378

# 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.



70.0978, 0.3321, 0.3448



70.0978, 0.2919, 0.3200



70.0978, 0.3301, 0.3281

# Square

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



70.0978, 0.2919, 0.3200



70.0978, 0.3106, 0.3128



70.0978, 0.3340, 0.3374



70.0978, 0.3146, 0.3459



# Rectangle

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



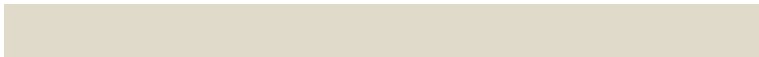
70.0978, 0.2919, 0.3200



70.0978, 0.2977, 0.3109



70.0978, 0.3340, 0.3374



70.0978, 0.3278, 0.3474

# Sweetspot

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



70.1007, 0.2919, 0.3200



96.4585, 0.3065, 0.3264



73.2117, 0.3062, 0.3555



20.5065, 0.3053, 0.3260



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

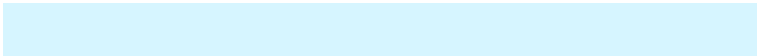


# Same Dimension

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



70.1007, 0.2919, 0.3200



86.5695, 0.2879, 0.3181



62.3242, 0.2914, 0.3024



15.6776, 0.2981, 0.3228



19.9307, 0.2011, 0.2439



1.6200, 0.2049, 0.2578



# Inverse Universe

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



62.9121, 0.3201, 0.3040



76.0186, 0.3217, 0.2991



73.3048, 0.3340, 0.3543



14.5488, 0.3177, 0.3117



11.2097, 0.3984, 0.1968

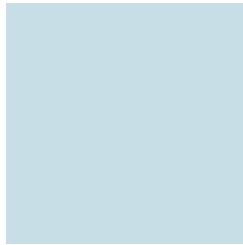


0.8432, 0.3846, 0.1892



# Previews

## White Background



This preview shows how the Yxy color 70.0978, 0.2919, 0.3200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

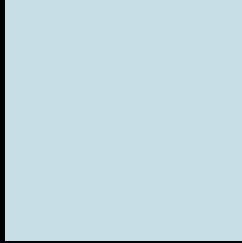
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0978, 0.2919, 0.3200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

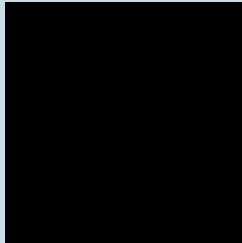
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

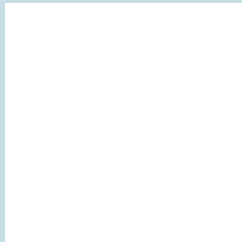
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.0978, 0.2919, 0.3200**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0978, 0.2919, 0.3200.

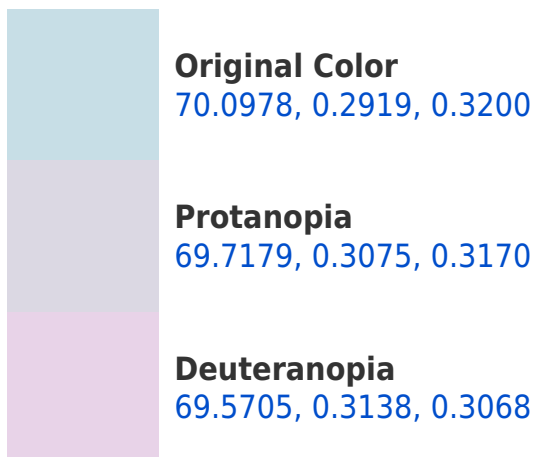


This preview shows how white text looks on a background with the Yxy color 70.0978, 0.2919, 0.3200.

# 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

70.1653, 0.2877, 0.3101

# Trichromacy



## Original Color

70.0978, 0.2919, 0.3200

## Protanomaly

69.7413, 0.3019, 0.3180

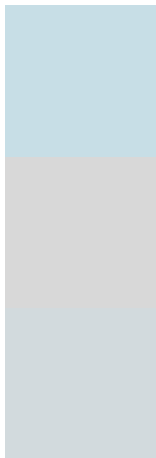
## Deuteranomaly

69.5860, 0.3056, 0.3117

## Tritanomaly

69.9904, 0.2895, 0.3134

# Monochromacy



## Original Color

70.0978, 0.2919, 0.3200

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.0649, 0.3051, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0978, 0.2919, 0.3200 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, 222, 230)` looks like.

```
.text, #text, p{  
    color:rgb(199, 222, 230)  
}
```

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, 222, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 222, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0978, 0.2919, 0.3200 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, 222, 230) }
```

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

```
.border{ border-color:rgb(199, 222, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 222, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 222, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 222, 230);  
box-shadow:4px 4px 4px 4px rgb(199, 222,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.0978, 0.2919, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 222, 230) }
```

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

```
.background{ background-color: rgb(199,  
222, 230) }
```

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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