

# Converting Colors

Yxy(69.0197, 0.2901, 0.3139)

Have a look what the booklet for  
Yxy(69.0197, 0.2901, 0.3139)  
contains.

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# Color

**Yxy(69.2117, 0.2900, 0.3144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7DCE9
RGB	199, 220, 233
RGB Percent	78%, 86%, 91%
CMY	0.2199, 0.1372, 0.0863
CMYK	0.15, 0.06, 0.00, 0.09
HSL	203°, 44%, 85%
HSV	203°, 15%, 91%
XYZ	63.8403, 69.2117, 87.0870
YIQ	215.2030, -16.6890, -0.4090

# Conversions

## Conversions Part 2

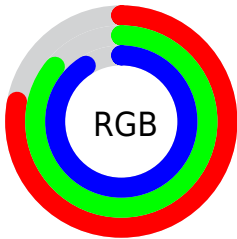
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 212, 233
Decimal	13098217
CIE Lab	86.61, -4.40, -8.74
CIE LCh	87, 9.783, 243.279
Yxy	69.2117, 0.2900, 0.3144
Android (android.graphics.Color)	4291288297 (0xFFC7DCE9)
YUV	215.2030, 8.7739, -14.2100
Hunter-Lab	83.1936, -8.6131, -3.8292

# Details

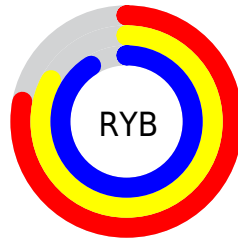
The Yxy color **69.2117, 0.2900, 0.3144** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.4864, 0.3379, 0.3432**, and the grayscale version is **68.0419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.1043, 0.2851, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **61.7321, 0.2743, 0.3031**, and if you desaturate by 10%, it is **77.4324, 0.3056, 0.3246**.

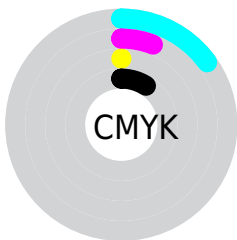
# Distribution



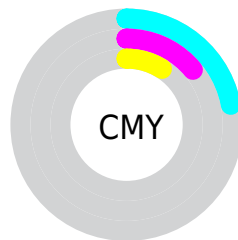
- Red (78%)
- Green (86%)
- Blue (91%)



- Red (78%)
- Yellow (83%)
- Blue (91%)



- Cyan (15%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (22%)
- Magenta (14%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.2117, 0.2900, 0.3144 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 69.2117, 0.2900, 0.3144 by changing the saturation by 10% instead.



■ 69.2117, 0.2900,  
0.3144

■ 69.2117, 0.2900,  
0.3144

457.7773, 0.3005,  
0.3213

■ 50.8841, 0.2876,  
0.3128

118.0839, 0.2937,  
0.3168

■ 36.1164, 0.2846,  
0.3108

149.3973, 0.2951,  
0.3177

■ 24.5241, 0.2808,  
0.3083

185.8082, 0.2963,  
0.3185

■ 15.7229, 0.2758,  
0.3049

227.7008, 0.2974,  
0.3192

■ 9.3283, 0.2691,  
0.3002

275.4596, 0.2983,  
0.3198

■ 4.9559, 0.2592,  
0.2933

329.4691, 0.2991,

■ 2.2214, 0.2438,

0.3204

0.2822

390.1135, 0.2999,  
0.3209

0.7316, 0.2101,  
0.2614

0.0000, 0.0000,  
0.0000

69.2117, 0.2900,  
0.3144

69.2117, 0.2900,  
0.3144

61.7321, 0.2743,  
0.3031

77.4324, 0.3056,  
0.3246

54.9590, 0.2588,  
0.2908

86.4099, 0.3209,  
0.3338

48.8676, 0.2438,  
0.2776

93.4521, 0.3264,  
0.3423

43.4279, 0.2298,  
0.2636

98.6634, 0.3256,  
0.3503

■ 38.6073, 0.2172,  
0.2490

■ 34.3691, 0.2064,  
0.2341

■ 30.6718, 0.1976,  
0.2193

■ 27.4649, 0.1910,  
0.2048

■ 25.9035, 0.1881,  
0.1971

# Harmonies

## Analogous

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



69.2117, 0.2909, 0.3237



69.2117, 0.2900, 0.3144



69.2117, 0.2951, 0.3093

# Triad

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



69.2117, 0.2900, 0.3144



69.2117, 0.3281, 0.3233



69.2117, 0.3203, 0.3495

# Complementary

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



69.2117, 0.2900, 0.3144



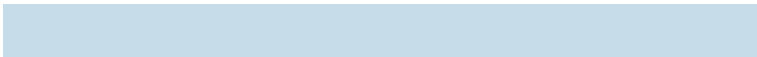
68.4864, 0.3379, 0.3432

# 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.



69.2117, 0.3305, 0.3490



69.2117, 0.2900, 0.3144



69.2117, 0.3351, 0.3337

# Square

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



69.2117, 0.2900, 0.3144



69.2117, 0.3170, 0.3145



69.2117, 0.3360, 0.3431



69.2117, 0.3082, 0.3443



# Rectangle

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



69.2117, 0.2900, 0.3144



69.2117, 0.3012, 0.3087



69.2117, 0.3360, 0.3431



69.2117, 0.3240, 0.3500

# Sweetspot

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



69.2146, 0.2900, 0.3144



95.6624, 0.3065, 0.3252



75.1369, 0.3033, 0.3534



20.3047, 0.3054, 0.3245



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

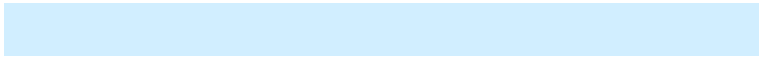


# Same Dimension

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



69.2146, 0.2900, 0.3144



81.6568, 0.2846, 0.3106



60.9514, 0.2893, 0.2953



16.1020, 0.2981, 0.3198



14.9443, 0.1887, 0.1993



1.3582, 0.1942, 0.2192



# Inverse Universe

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



63.3072, 0.3239, 0.3063



73.0546, 0.3270, 0.3007



77.1851, 0.3353, 0.3606



15.2108, 0.3196, 0.3145



11.0014, 0.4460, 0.2231

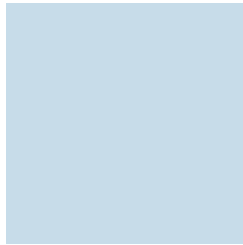


0.8825, 0.4241, 0.2110



# Previews

## White Background



This preview shows how the Yxy color 69.2117, 0.2900, 0.3144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

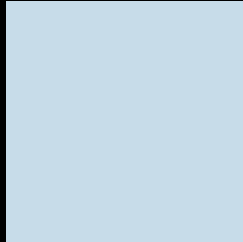
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.2117, 0.2900, 0.3144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

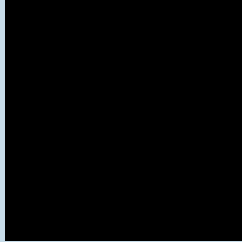
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

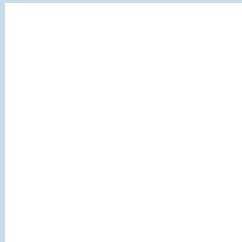
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.2117, 0.2900, 0.3144**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.2117, 0.2900, 0.3144.

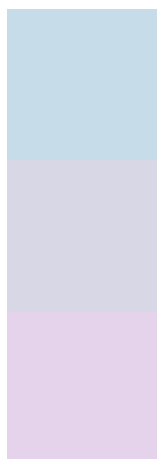


This preview shows how white text looks on a background with the Yxy color 69.2117, 0.2900, 0.3144.

# 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

69.2117, 0.2900, 0.3144

### Protanopia

68.9130, 0.3035, 0.3126

### Deuteranopia

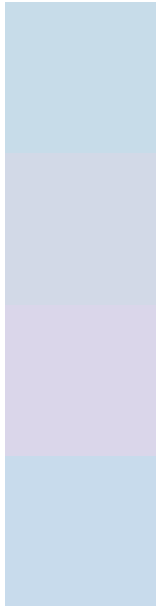
68.7494, 0.3096, 0.3025



## Tritanopia

69.0568, 0.2882, 0.3089

# Trichromacy



## Original Color

69.2117, 0.2900, 0.3144

## Protanomaly

69.0969, 0.2986, 0.3135

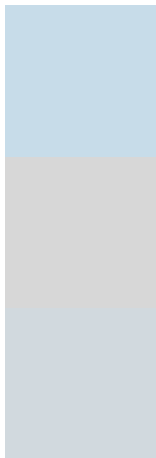
## Deuteranomaly

68.9391, 0.3023, 0.3073

## Tritanomaly

68.9985, 0.2889, 0.3100

# Monochromacy



## Original Color

69.2117, 0.2900, 0.3144

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.4549, 0.3037, 0.3234

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.2117, 0.2900, 0.3144 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, 220, 233)` looks like.

```
.text, #text, p{  
    color:rgb(199, 220, 233)  
}
```

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, 220, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 220, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 69.2117, 0.2900, 0.3144 is called "border". The border property can be set on classes, ids or directly on the HTML element.

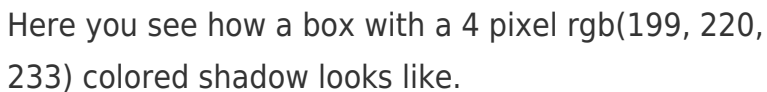
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 220, 233) }
```

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

```
.border{ border-color:rgb(199, 220, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 220, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 220, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 220, 233); box-shadow:4px 4px 4px 4px rgb(199, 220, 233) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.2117, 0.2900, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 220, 233) }
```

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

```
.background{ background-color: rgb(199,  
220, 233) }
```

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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