

# Converting Colors

$Yxy(70.8809, 0.2914, 0.3189)$

Have a look what the booklet for  
Yxy(70.8809, 0.2914, 0.3189)  
contains.

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# Color

**Yxy(70.8809, 0.2914, 0.3189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8DFE8
RGB	200, 223, 232
RGB Percent	78%, 87%, 91%
CMY	0.2158, 0.1254, 0.0902
CMYK	0.14, 0.04, 0.00, 0.09
HSL	197°, 41%, 85%
HSV	197°, 14%, 91%
XYZ	64.7686, 70.8809, 86.6174
YIQ	217.1490, -16.5970, -2.0770

# Conversions

## Conversions Part 2

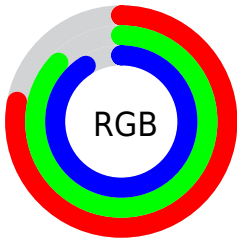
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	200, 213, 232
Decimal	13164520
CIE Lab	87.43, -5.81, -6.99
CIE LCh	87, 9.094, 230.259
Yxy	70.8809, 0.2914, 0.3189
Android (android.graphics.Color)	4291354600 (0xFFC8DFE8)
YUV	217.1490, 7.3215, -15.0397
Hunter-Lab	84.1908, -10.0126, -2.0653

# Details

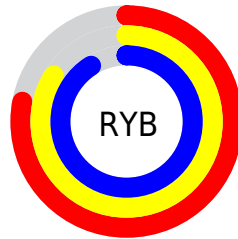
The Yxy color **70.8809, 0.2914, 0.3189** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.9158, 0.3368, 0.3389**, and the grayscale version is **69.4523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.2508, 0.2869, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **64.5120, 0.2761, 0.3107**, and if you desaturate by 10%, it is **77.8745, 0.3068, 0.3264**.

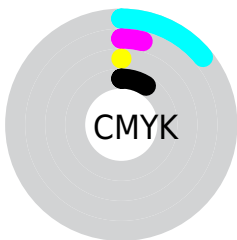
# Distribution



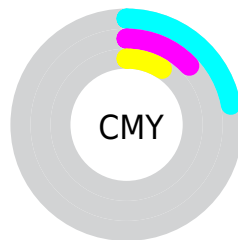
- Red (78%)
- Green (87%)
- Blue (91%)



- Red (78%)
- Yellow (84%)
- Blue (91%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (22%)
- Magenta (13%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8809, 0.2914, 0.3189 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 70.8809, 0.2914, 0.3189 by changing the saturation by 10% instead.



■ 70.8809, 0.2914,  
0.3189

■ 70.8809, 0.2914,  
0.3189

463.6370, 0.3013,  
0.3237

■ 52.2450, 0.2892,  
0.3178

120.4641, 0.2948,  
0.3206

■ 37.2004, 0.2864,  
0.3164

152.1802, 0.2961,  
0.3212

■ 25.3627, 0.2829,  
0.3146

189.0252, 0.2973,  
0.3218

■ 16.3475, 0.2783,  
0.3123

231.3835, 0.2983,  
0.3223

■ 9.7704, 0.2720,  
0.3090

279.6394, 0.2992,  
0.3227

■ 5.2470, 0.2630,  
0.3041

334.1773, 0.2999,

■ 2.3929, 0.2489,

0.3231

0.2963

395.3817, 0.3006,  
0.3234

0.8222, 0.2198,  
0.2826

0.0000, 0.0000,  
0.0000

70.8809, 0.2914,  
0.3189

70.8809, 0.2914,  
0.3189

64.5120, 0.2761,  
0.3107

77.8745, 0.3068,  
0.3264

58.7357, 0.2613,  
0.3018

85.5058, 0.3222,  
0.3331

53.5300, 0.2473,  
0.2923

90.9274, 0.3274,  
0.3394

48.8678, 0.2345,  
0.2823

94.8890, 0.3268,  
0.3456

■ 44.7196, 0.2233,  
0.2719

■ 98.6067, 0.3262,  
0.3512

■ 41.0520, 0.2138,  
0.2612

■ 37.8270, 0.2063,  
0.2505

■ 34.9984, 0.2008,  
0.2400

■ 33.4016, 0.1982,  
0.2335

# Harmonies

## Analogous

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



70.8809, 0.2946, 0.3285



70.8809, 0.2914, 0.3189



70.8809, 0.2938, 0.3123

# Triad

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



70.8809, 0.2914, 0.3189



70.8809, 0.3227, 0.3199



70.8809, 0.3242, 0.3484

# Complementary

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



70.8809, 0.2914, 0.3189



66.9158, 0.3368, 0.3389

# 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.



70.8809, 0.3319, 0.3456



70.8809, 0.2914, 0.3189



70.8809, 0.3311, 0.3291

# Square

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



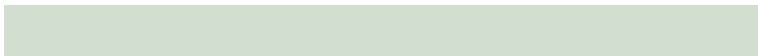
70.8809, 0.2914, 0.3189



70.8809, 0.3117, 0.3130



70.8809, 0.3345, 0.3385



70.8809, 0.3134, 0.3458



# Rectangle

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



70.8809, 0.2914, 0.3189



70.8809, 0.2982, 0.3104



70.8809, 0.3345, 0.3385



70.8809, 0.3272, 0.3481

# Sweetspot

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



70.8838, 0.2914, 0.3189



96.3018, 0.3065, 0.3262



74.5743, 0.3057, 0.3556



20.4668, 0.3053, 0.3257



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

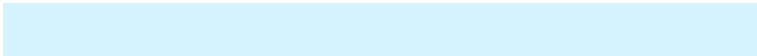


# Same Dimension

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



70.8838, 0.2914, 0.3189



85.1594, 0.2864, 0.3163



62.9477, 0.2909, 0.3011



15.6160, 0.2981, 0.3222



18.7650, 0.1987, 0.2352



1.5418, 0.2029, 0.2505



# Inverse Universe

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



63.7837, 0.3208, 0.3043



74.6324, 0.3230, 0.2982



74.9259, 0.3345, 0.3554



14.5425, 0.3181, 0.3122



11.0921, 0.4072, 0.2017

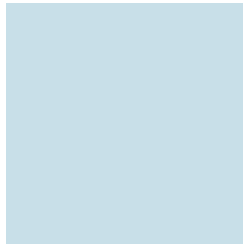


0.8353, 0.3917, 0.1932



# Previews

## White Background



This preview shows how the Yxy color 70.8809, 0.2914, 0.3189 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

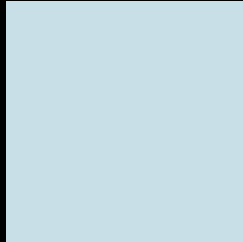
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.8809, 0.2914, 0.3189 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

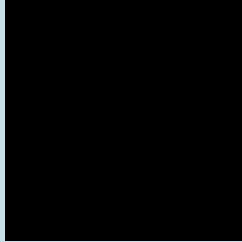
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

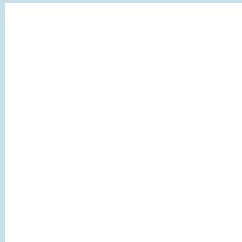
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.8809, 0.2914, 0.3189**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.8809, 0.2914, 0.3189.

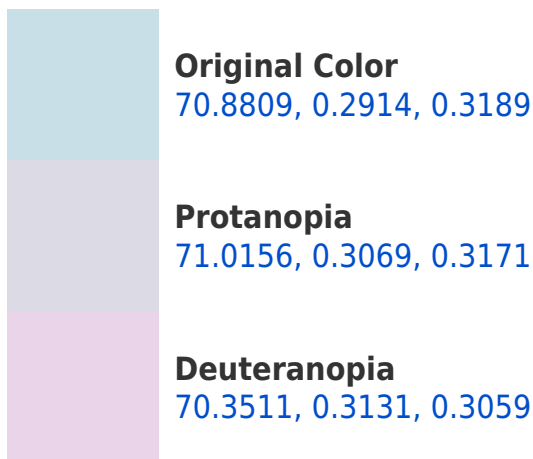


This preview shows how white text looks on a background with the Yxy color 70.8809, 0.2914, 0.3189.

# 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

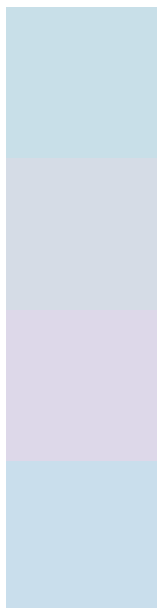




## Tritanopia

70.8921, 0.2878, 0.3102

# Trichromacy



## Original Color

70.8809, 0.2914, 0.3189

## Protanomaly

71.0457, 0.3013, 0.3180

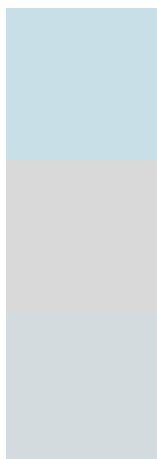
## Deuteranomaly

70.3671, 0.3050, 0.3107

## Tritanomaly

70.7162, 0.2896, 0.3134

# Monochromacy



## Original Color

70.8809, 0.2914, 0.3189

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.7858, 0.3051, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.8809, 0.2914, 0.3189 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(200, 223, 232)` looks like.

```
.text, #text, p{  
    color:rgb(200, 223, 232)  
}
```

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(200, 223, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 223, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 70.8809, 0.2914, 0.3189 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(200, 223, 232) }
```

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

```
.border{ border-color:rgb(200, 223, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 223, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 223, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 223, 232);  
box-shadow:4px 4px 4px 4px rgb(200, 223,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.8809, 0.2914, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 223, 232) }
```

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

```
.background{ background-color: rgb(200,  
223, 232) }
```

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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