

# Converting Colors

Yxy(69.4813, 0.2997, 0.3197)

Have a look what the booklet for  
Yxy(69.4813, 0.2997, 0.3197)  
contains.

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# Color

**Yxy(69.6190, 0.2998, 0.3201)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D0DBE3
RGB	208, 219, 227
RGB Percent	82%, 86%, 89%
CMY	0.1844, 0.1411, 0.1098
CMYK	0.08, 0.04, 0.00, 0.11
HSL	205°, 25%, 85%
HSV	205°, 8%, 89%
XYZ	65.2039, 69.6190, 82.6685
YIQ	216.6230, -9.1240, 0.1560

# Conversions

## Conversions Part 2

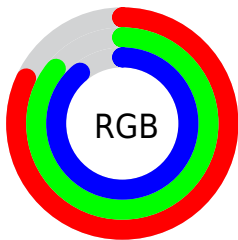
<b>Format</b>	<b>Color</b>
RYB	208, 215, 227
Decimal	13687779
CIELab	86.81, -2.17, -5.20
CIELCh	87, 5.632, 247.349
Yxy	69.6190, 0.2998, 0.3201
Android (android.graphics.Color)	4291877859 (0xFFD0DBE3)
YUV	216.6230, 5.1159, -7.5624
Hunter-Lab	83.4380, -6.5249, -0.3366

# Details

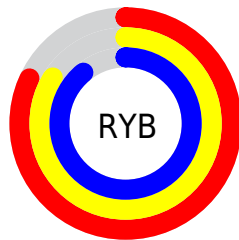
The Yxy color **69.6190, 0.2998, 0.3201** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.9760, 0.3263, 0.3377**, and the grayscale version is **69.0852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.3995, 0.2968, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **61.7326, 0.2840, 0.3084**, and if you desaturate by 10%, it is **78.2668, 0.3152, 0.3306**.

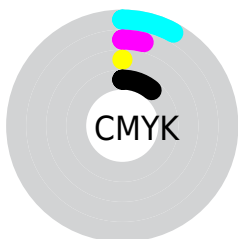
# Distribution



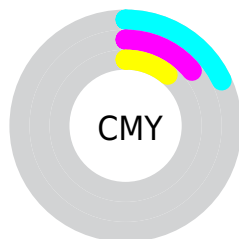
- Red (82%)
- Green (86%)
- Blue (89%)



- Red (82%)
- Yellow (84%)
- Blue (89%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (18%)
- Magenta (14%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6190, 0.2998, 0.3201 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 69.6190, 0.2998, 0.3201 by changing the saturation by 10% instead.



■ 69.6190, 0.2998,  
0.3201

■ 69.6190, 0.2998,  
0.3201

459.2111, 0.3058,  
0.3243

■ 51.2160, 0.2984,  
0.3191

118.6653, 0.3019,  
0.3216

■ 36.3805, 0.2967,  
0.3179

150.0773, 0.3027,  
0.3221

■ 24.7282, 0.2945,  
0.3164

186.5945, 0.3034,  
0.3226

■ 15.8747, 0.2917,  
0.3144

228.6012, 0.3040,  
0.3230

■ 9.4355, 0.2877,  
0.3116

276.4818, 0.3045,  
0.3234

■ 5.0263, 0.2820,  
0.3074

330.6207, 0.3050,

■ 2.2627, 0.2729,

0.3237

0.3008

391.4024, 0.3054,  
0.3240

0.7539, 0.2534,  
0.2879

0.0000, 0.0000,  
0.0000

69.6190, 0.2998,  
0.3201

69.6190, 0.2998,  
0.3201

61.7326, 0.2840,  
0.3084

78.2668, 0.3152,  
0.3306

54.5743, 0.2682,  
0.2955

87.6905, 0.3300,  
0.3400

48.1207, 0.2525,  
0.2815

93.6958, 0.3300,  
0.3492

42.3439, 0.2374,  
0.2664

98.3257, 0.3292,  
0.3562

■ 37.2136, 0.2233,  
0.2506

■ 32.6964, 0.2108,  
0.2343

■ 28.7552, 0.2001,  
0.2179

■ 25.3467, 0.1916,  
0.2016

■ 22.4107, 0.1852,  
0.1859

# Harmonies

## Analogous

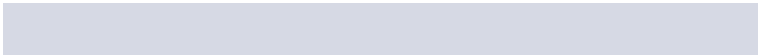
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.6190, 0.2998, 0.3252



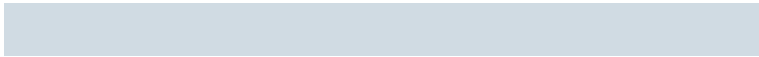
69.6190, 0.2998, 0.3201



69.6190, 0.3032, 0.3174

# Triad

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



69.6190, 0.2998, 0.3201



69.6190, 0.3222, 0.3265



69.6190, 0.3162, 0.3405

# Complementary

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



69.6190, 0.2998, 0.3201



69.9760, 0.3263, 0.3377

# 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.



69.6190, 0.3223, 0.3407



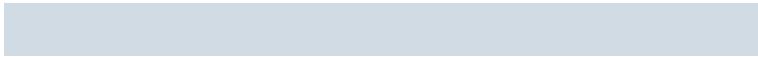
69.6190, 0.2998, 0.3201



69.6190, 0.3258, 0.3326

# Square

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



69.6190, 0.2998, 0.3201



69.6190, 0.3161, 0.3212



69.6190, 0.3258, 0.3378



69.6190, 0.3092, 0.3371



# Rectangle

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



69.6190, 0.2998, 0.3201



69.6190, 0.3070, 0.3174



69.6190, 0.3258, 0.3378



69.6190, 0.3184, 0.3409

# Sweetspot

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



69.6219, 0.2998, 0.3201



96.5457, 0.3081, 0.3259



73.2947, 0.3067, 0.3413



20.4705, 0.3069, 0.3250



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

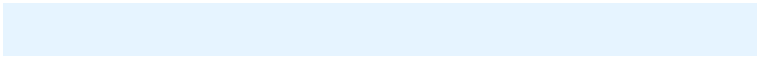


# Same Dimension

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



69.6219, 0.2998, 0.3201



88.8389, 0.2972, 0.3182



64.8319, 0.2998, 0.3094



15.2692, 0.2981, 0.3189



13.0466, 0.1849, 0.1857



1.1469, 0.1913, 0.2087



# Inverse Universe

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



66.5476, 0.3193, 0.3170



84.1253, 0.3207, 0.3146



74.9549, 0.3253, 0.3478



14.5075, 0.3202, 0.3154



10.5148, 0.4618, 0.2318

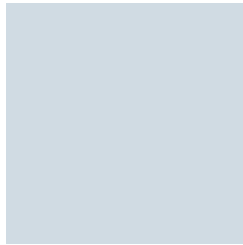


0.7955, 0.4356, 0.2173



# Previews

## White Background



This preview shows how the Yxy color 69.6190, 0.2998, 0.3201 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

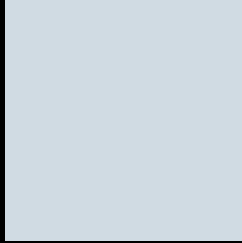
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.6190, 0.2998, 0.3201 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

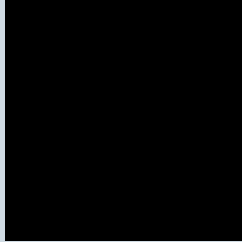
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

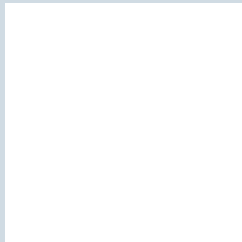
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.6190, 0.2998, 0.3201**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6190, 0.2998, 0.3201.



This preview shows how white text looks on a background with the Yxy color 69.6190, 0.2998, 0.3201.

# 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

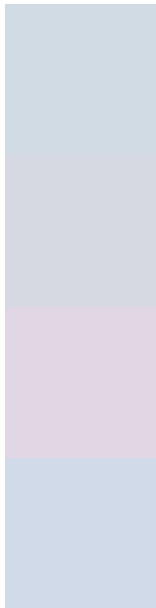




## Tritanopia

69.6963, 0.2955, 0.3103

# Trichromacy



## Original Color

69.6190, 0.2998, 0.3201

## Protanomaly

69.5638, 0.3053, 0.3191

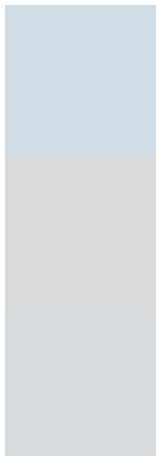
## Deuteranomaly

69.5419, 0.3105, 0.3139

## Tritanomaly

69.5243, 0.2973, 0.3135

# Monochromacy



## Original Color

69.6190, 0.2998, 0.3201

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.6594, 0.3079, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6190, 0.2998, 0.3201 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(208, 219, 227)` looks like.

```
.text, #text, p{  
    color:rgb(208, 219, 227)  
}
```

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(208, 219, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 219, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6190, 0.2998, 0.3201 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(208, 219, 227) }
```

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

```
.border{ border-color:rgb(208, 219, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 219, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 219, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 219, 227);  
box-shadow:4px 4px 4px 4px rgb(208, 219,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6190, 0.2998, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 219, 227) }
```

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

```
.background{ background-color: rgb(208,  
219, 227) }
```

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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