

# Converting Colors

Yxy(67.8927, 0.3040, 0.3215)

Have a look what the booklet for  
Yxy(67.8927, 0.3040, 0.3215)  
contains.

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# Color

**Yxy(68.0873, 0.3044, 0.3223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2D8DE
RGB	210, 216, 222
RGB Percent	82%, 85%, 87%
CMY	0.1767, 0.1529, 0.1294
CMYK	0.05, 0.03, 0.00, 0.13
HSL	210°, 15%, 85%
HSV	210°, 5%, 87%
XYZ	64.3058, 68.0873, 78.8613
YIQ	214.8900, -5.5020, 0.5940

# Conversions

## Conversions Part 2

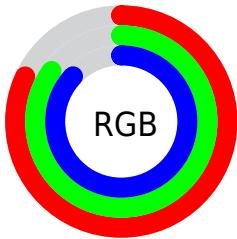
Format	Color
R <sub>Y</sub> B	210, 214, 222
Decimal	13818078
CIE Lab	86.05, -0.93, -3.66
CIE LCh	86, 3.778, 255.767
Yxy	68.0873, 0.3044, 0.3223
Android (android.graphics.Color)	4292008158 (0xFFD2D8DE)
YUV	214.8900, 3.5052, -4.2885
Hunter-Lab	82.5150, -5.2922, 1.0959

# Details

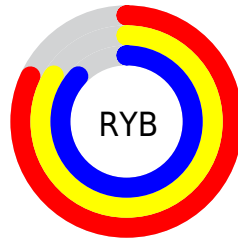
The Yxy color **68.0873, 0.3044, 0.3223** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.2502, 0.3212, 0.3356**, and the grayscale version is **67.8513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.3477, 0.3028, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **59.6038, 0.2886, 0.3089**, and if you desaturate by 10%, it is **77.4062, 0.3195, 0.3343**.

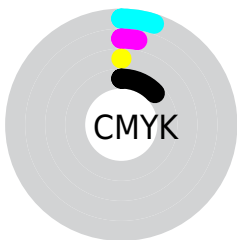
# Distribution



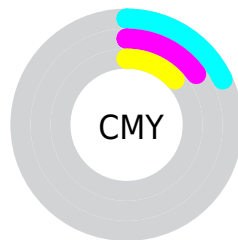
- Red (82%)
- Green (85%)
- Blue (87%)



- Red (82%)
- Yellow (84%)
- Blue (87%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)



- Cyan (18%)
- Magenta (15%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0873, 0.3044, 0.3223 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 68.0873, 0.3044, 0.3223 by changing the saturation by 10% instead.



■ 68.0873, 0.3044,  
0.3223

■ 68.0873, 0.3044,  
0.3223

453.8053, 0.3083,  
0.3255

■ 49.9688, 0.3035,  
0.3216

116.4770, 0.3058,  
0.3234

■ 35.3886, 0.3024,  
0.3207

147.5170, 0.3063,  
0.3238

■ 23.9624, 0.3010,  
0.3195

183.6329, 0.3067,  
0.3242

■ 15.3057, 0.2991,  
0.3180

225.2091, 0.3071,  
0.3245

■ 9.0342, 0.2965,  
0.3158

272.6301, 0.3075,  
0.3248

■ 4.7635, 0.2926,  
0.3127

326.2802, 0.3078,

■ 2.1092, 0.2865,

0.3250

0.3076

386.5438, 0.3081,  
0.3253

0.6698, 0.2706,  
0.2952

0.0000, 0.0000,  
0.0000

68.0873, 0.3044,  
0.3223

68.0873, 0.3044,  
0.3223

59.6038, 0.2886,  
0.3089

77.4062, 0.3195,  
0.3343

51.9213, 0.2724,  
0.2940

87.5763, 0.3339,  
0.3449

45.0151, 0.2560,  
0.2776

94.3075, 0.3329,  
0.3555

38.8563, 0.2399,  
0.2600

98.0541, 0.3321,  
0.3611

■ 33.4136, 0.2245,  
0.2414

■ 28.6529, 0.2103,  
0.2221

■ 24.5366, 0.1979,  
0.2026

■ 21.0221, 0.1877,  
0.1835

■ 18.0586, 0.1800,  
0.1652

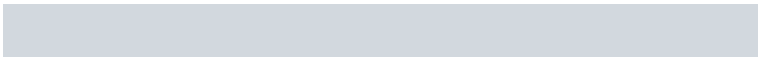
# Harmonies

## Analogous

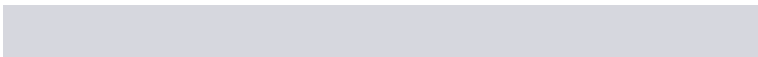
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.0873, 0.3037, 0.3254



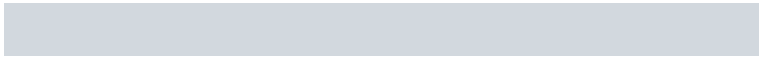
68.0873, 0.3044, 0.3223



68.0873, 0.3073, 0.3210

# Triad

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



68.0873, 0.3044, 0.3223



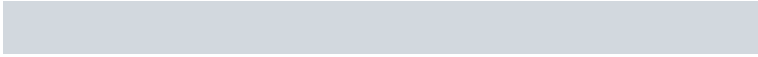
68.0873, 0.3200, 0.3285



68.0873, 0.3138, 0.3363

# Complementary

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



68.0873, 0.3044, 0.3223



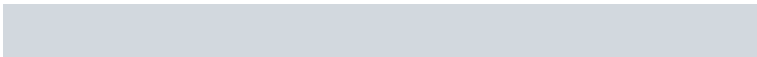
69.2502, 0.3212, 0.3356

# 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.



68.0873, 0.3182, 0.3371



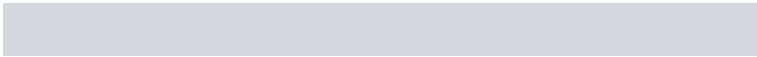
68.0873, 0.3044, 0.3223



68.0873, 0.3218, 0.3326

# Square

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



68.0873, 0.3044, 0.3223



68.0873, 0.3163, 0.3246



68.0873, 0.3211, 0.3357



68.0873, 0.3091, 0.3335



# Rectangle

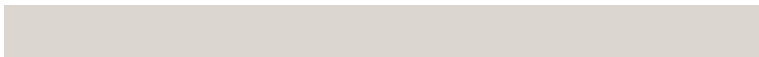
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.0873, 0.3044, 0.3223



68.0873, 0.3101, 0.3214



68.0873, 0.3211, 0.3357



68.0873, 0.3153, 0.3368

# Sweetspot

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



68.0902, 0.3044, 0.3223



97.4432, 0.3097, 0.3266



70.8828, 0.3083, 0.3359



20.8837, 0.3098, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

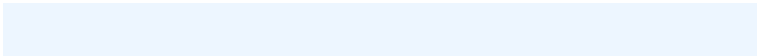


# Same Dimension

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



68.0902, 0.3044, 0.3223



91.2545, 0.3019, 0.3202



65.1288, 0.3045, 0.3157



14.7438, 0.3011, 0.3196



10.2334, 0.1777, 0.1598



0.8885, 0.1854, 0.1875



# Inverse Universe

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



66.5520, 0.3175, 0.3223



88.5784, 0.3190, 0.3203



72.3176, 0.3207, 0.3420



14.2804, 0.3195, 0.3196



9.9411, 0.4934, 0.2491

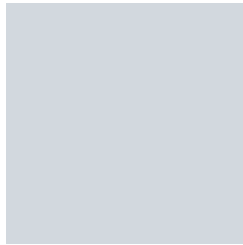


0.7071, 0.4596, 0.2306



# Previews

## White Background



This preview shows how the Yxy color 68.0873, 0.3044, 0.3223 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

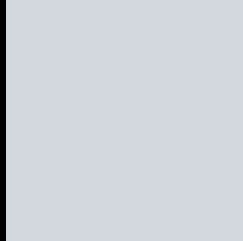
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.0873, 0.3044, 0.3223 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

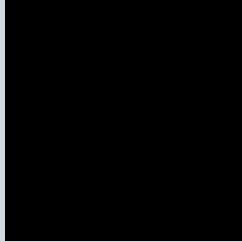
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

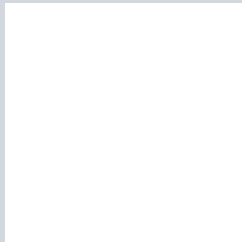
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.0873, 0.3044, 0.3223**

## Background



This preview shows how black text looks on a background with the Yxy color 68.0873, 0.3044, 0.3223.

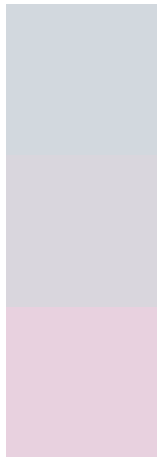


This preview shows how white text looks on a background with the Yxy color 68.0873, 0.3044, 0.3223.

# 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

68.0873, 0.3044, 0.3223

### Protanopia

68.0653, 0.3102, 0.3213

### Deuteranopia

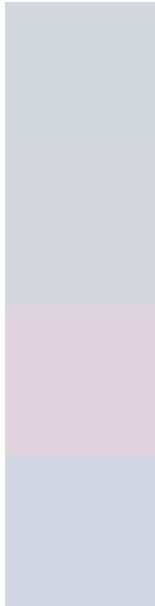
68.0844, 0.3201, 0.3141



## Tritanopia

68.2760, 0.2987, 0.3103

# Trichromacy



## Original Color

68.0873, 0.3044, 0.3223

## Protanomaly

68.1175, 0.3080, 0.3223

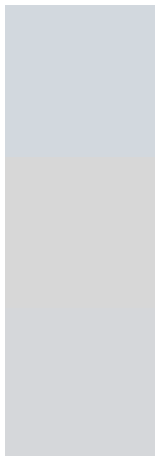
## Deuteranomaly

68.2620, 0.3140, 0.3171

## Tritanomaly

68.0512, 0.3013, 0.3146

# Monochromacy



## Original Color

68.0873, 0.3044, 0.3223

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

67.8090, 0.3093, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.0873, 0.3044, 0.3223 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(210, 216, 222) looks like.

```
.text, #text, p{  
    color:rgb(210, 216, 222)  
}
```

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(210, 216, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 216, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 68.0873, 0.3044, 0.3223 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(210, 216, 222) }
```

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

```
.border{ border-color:rgb(210, 216, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 216, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 216, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 216, 222);  
box-shadow:4px 4px 4px 4px rgb(210, 216,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.0873, 0.3044, 0.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 216, 222) }
```

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

```
.background{ background-color: rgb(210,  
216, 222) }
```

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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