

# Converting Colors

$Yxy(68.3589, 0.3083, 0.3275)$

Have a look what the booklet for  
Yxy(68.3589, 0.3083, 0.3275)  
contains.

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# Color

**Yxy(68.6847, 0.3085, 0.3279)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4D9DA
RGB	212, 217, 218
RGB Percent	83%, 85%, 85%
CMY	0.1685, 0.1490, 0.1452
CMYK	0.03, 0.00, 0.00, 0.15
HSL	190°, 7%, 84%
HSV	190°, 3%, 85%
XYZ	64.6210, 68.6847, 76.1627
YIQ	215.6190, -3.3010, -0.7490

# Conversions

## Conversions Part 2

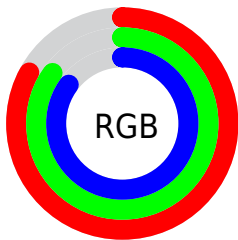
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 215, 218
Decimal	13949402
CIE Lab	86.35, -1.50, -1.08
CIE LCh	86, 1.843, 215.739
Yxy	68.6847, 0.3085, 0.3279
Android (android.graphics.Color)	4292139482 (0xFFD4D9DA)
YUV	215.6190, 1.1738, -3.1739
Hunter-Lab	82.8762, -5.8518, 3.5262

# Details

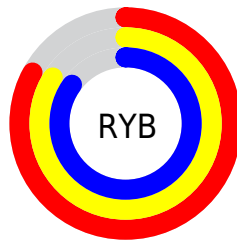
The Yxy color **68.6847, 0.3085, 0.3279** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.2430, 0.3171, 0.3301**, and the grayscale version is **68.3931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.6531, 0.3071, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **63.8456, 0.2932, 0.3236**, and if you desaturate by 10%, it is **74.0066, 0.3240, 0.3318**.

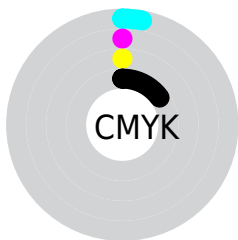
# Distribution



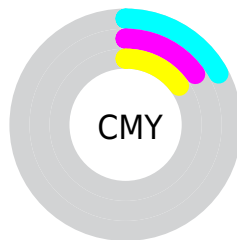
- Red (83%)
- Green (85%)
- Blue (85%)



- Red (83%)
- Yellow (84%)
- Blue (85%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)



- Cyan (17%)
- Magenta (15%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6847, 0.3085, 0.3279 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 68.6847, 0.3085, 0.3279 by changing the saturation by 10% instead.



■ 68.6847, 0.3085,  
0.3279

■ 68.6847, 0.3085,  
0.3279

455.9181, 0.3105,  
0.3284

■ 50.4550, 0.3080,  
0.3278

117.3311, 0.3092,  
0.3281

■ 35.7750, 0.3075,  
0.3276

148.5166, 0.3095,  
0.3282

■ 24.2605, 0.3068,  
0.3274

184.7895, 0.3097,  
0.3282

■ 15.5270, 0.3058,  
0.3272

226.5341, 0.3099,  
0.3283

■ 9.1901, 0.3045,  
0.3268

274.1349, 0.3101,  
0.3283

■ 4.8654, 0.3025,  
0.3263

327.9762, 0.3102,

■ 2.1685, 0.2994,

0.3284

388.4425, 0.3104,  
0.3284

0.3254

0.7027, 0.2904,  
0.3232

0.0000, 0.0000,  
0.0000

68.6847, 0.3085,  
0.3279

68.6847, 0.3085,  
0.3279

63.8456, 0.2932,  
0.3236

74.0066, 0.3240,  
0.3318

59.4630, 0.2784,  
0.3190

79.7018, 0.3390,  
0.3353

55.5210, 0.2644,  
0.3139

81.6393, 0.3384,  
0.3388

51.9993, 0.2515,  
0.3086

83.6173, 0.3379,  
0.3423

■ 48.8761, 0.2400,  
0.3030

■ 85.6359, 0.3374,  
0.3458

■ 46.1273, 0.2302,  
0.2973

■ 87.6953, 0.3369,  
0.3493

■ 43.7259, 0.2222,  
0.2914

■ 89.7959, 0.3364,  
0.3528

■ 41.6410, 0.2161,  
0.2855

■ 91.9378, 0.3359,  
0.3562

■ 39.8352, 0.2120,  
0.2797

■ 94.1214, 0.3354,  
0.3596

# Harmonies

## Analogous

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



68.6847, 0.3097, 0.3299



68.6847, 0.3085, 0.3279



68.6847, 0.3084, 0.3262

# Triad

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



68.6847, 0.3085, 0.3279



68.6847, 0.3137, 0.3263



68.6847, 0.3160, 0.3328

# Complementary

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



68.6847, 0.3085, 0.3279



67.2430, 0.3171, 0.3301

# 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.



68.6847, 0.3170, 0.3319



68.6847, 0.3085, 0.3279



68.6847, 0.3158, 0.3281

# Square

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



68.6847, 0.3085, 0.3279



68.6847, 0.3114, 0.3253



68.6847, 0.3170, 0.3301



68.6847, 0.3140, 0.3328



# Rectangle

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



68.6847, 0.3085, 0.3279



68.6847, 0.3090, 0.3254



68.6847, 0.3170, 0.3301



68.6847, 0.3164, 0.3326

# Sweetspot

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



68.6876, 0.3085, 0.3279



99.2538, 0.3112, 0.3286



68.9300, 0.3118, 0.3347



21.2523, 0.3112, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

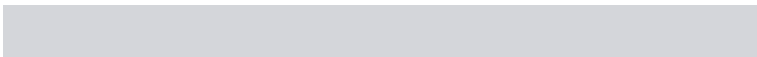
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6876, 0.3085, 0.3279



97.7823, 0.3080, 0.3278



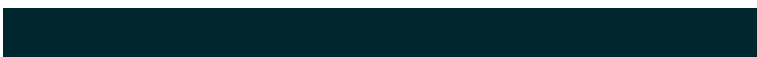
67.2082, 0.3086, 0.3247



15.0604, 0.3069, 0.3275



23.2975, 0.2101, 0.2763



1.6081, 0.2127, 0.2858



# Inverse Universe

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



67.0101, 0.3137, 0.3235



95.1355, 0.3138, 0.3229



68.7124, 0.3169, 0.3333



14.5523, 0.3141, 0.3214



10.9757, 0.3669, 0.1795

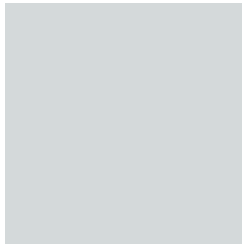


0.7210, 0.3582, 0.1747



# Previews

## White Background



This preview shows how the Yxy color 68.6847, 0.3085, 0.3279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

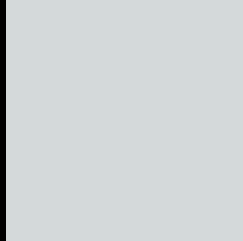
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.6847, 0.3085, 0.3279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

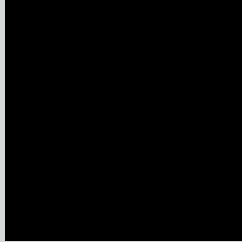
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

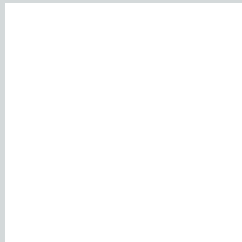
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.6847, 0.3085, 0.3279**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6847, 0.3085, 0.3279.

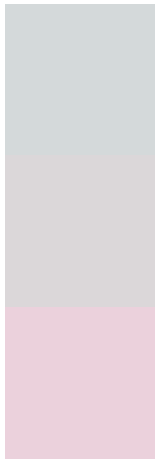


This preview shows how white text looks on a background with the Yxy color 68.6847, 0.3085, 0.3279.

# 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

68.6847, 0.3085, 0.3279

### Protanopia

68.6707, 0.3143, 0.3268

### Deuteranopia

68.4304, 0.3245, 0.3173



## Tritanopia

68.7232, 0.3008, 0.3104

# Trichromacy



## Original Color

68.6847, 0.3085, 0.3279

## Protanomaly

68.7204, 0.3120, 0.3279

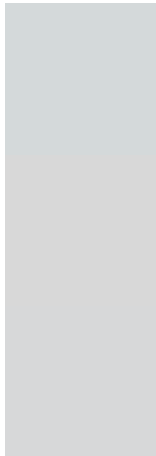
## Deuteranomaly

68.5323, 0.3190, 0.3214

## Tritanomaly

68.8039, 0.3033, 0.3169

# Monochromacy



## Original Color

68.6847, 0.3085, 0.3279

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.5686, 0.3113, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6847, 0.3085, 0.3279 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(212, 217, 218) looks like.

```
.text, #text, p{  
    color:rgb(212, 217, 218)  
}
```

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(212, 217, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 217, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6847, 0.3085, 0.3279 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(212, 217, 218) }
```

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

```
.border{ border-color:rgb(212, 217, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 217, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 217, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 217, 218);  
box-shadow:4px 4px 4px 4px rgb(212, 217,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6847, 0.3085, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 217, 218) }
```

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

```
.background{ background-color: rgb(212,  
217, 218) }
```

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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