

# Converting Colors

Yxy(68.1682, 0.3089, 0.3272)

Have a look what the booklet for  
Yxy(68.1682, 0.3089, 0.3272)  
contains.

<b>Yxy(68.1707, 0.3085, 0.3268)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(68.1707, 0.3085, 0.3268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4D8DA
RGB	212, 216, 218
RGB Percent	83%, 85%, 85%
CMY	0.1687, 0.1529, 0.1452
CMYK	0.03, 0.01, 0.00, 0.15
HSL	200°, 7%, 84%
HSV	200°, 3%, 85%
XYZ	64.3533, 68.1707, 76.0767
YIQ	215.0320, -3.0260, -0.2260

# Conversions

## Conversions Part 2

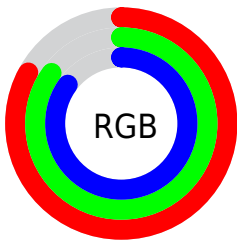
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 214, 218
Decimal	13949146
CIE <sub>Lab</sub>	86.09, -1.00, -1.45
CIE <sub>LCh</sub>	86, 1.762, 235.409
Yxy	68.1707, 0.3085, 0.3268
Android (android.graphics.Color)	4292139226 (0xFFD4D8DA)
YUV	215.0320, 1.4632, -2.6591
Hunter-Lab	82.5655, -5.3631, 3.1655

# Details

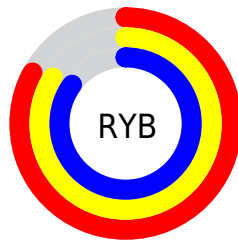
The Yxy color **68.1707, 0.3085, 0.3268** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.7120, 0.3170, 0.3312**, and the grayscale version is **67.9675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.3022, 0.3072, 0.3260** is the 20% darker color. If you saturate the color by 10%, you get **61.5842, 0.2931, 0.3183**, and if you desaturate by 10%, it is **75.3580, 0.3237, 0.3345**.

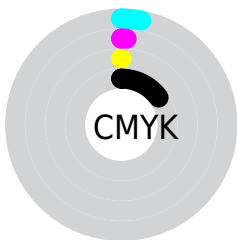
# Distribution



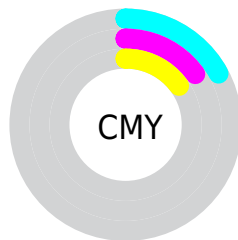
- Red (83%)
- Green (85%)
- Blue (85%)



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



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (15%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1707, 0.3085, 0.3268 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 68.1707, 0.3085, 0.3268 by changing the saturation by 10% instead.



■ 68.1707, 0.3085,  
0.3268

■ 68.1707, 0.3085,  
0.3268

454.1006, 0.3105,  
0.3278

■ 50.0366, 0.3080,  
0.3266

116.5963, 0.3092,  
0.3272

■ 35.4425, 0.3075,  
0.3263

147.6566, 0.3095,  
0.3273

■ 24.0039, 0.3067,  
0.3259

183.7945, 0.3097,  
0.3274

■ 15.3365, 0.3058,  
0.3254

225.3943, 0.3099,  
0.3275

■ 9.0559, 0.3045,  
0.3246

272.8404, 0.3101,  
0.3276

■ 4.7777, 0.3025,  
0.3236

326.5172, 0.3102,

■ 2.1174, 0.2993,

0.3277

0.3219

386.8091, 0.3104,  
0.3278

0.6744, 0.2899,  
0.3171

0.0000, 0.0000,  
0.0000

68.1707, 0.3085,  
0.3268

68.1707, 0.3085,  
0.3268

61.5842, 0.2931,  
0.3183

75.3580, 0.3237,  
0.3345

55.5705, 0.2776,  
0.3088

83.0478, 0.3381,  
0.3413

50.1119, 0.2625,  
0.2986

87.0929, 0.3370,  
0.3483

45.1864, 0.2480,  
0.2876

91.3015, 0.3360,  
0.3552

■ 40.7702, 0.2345,  
0.2759

■ 95.6753, 0.3350,  
0.3619

■ 36.8374, 0.2224,  
0.2637

■ 97.8405, 0.3346,  
0.3651

■ 33.3591, 0.2121,  
0.2512

■ 30.3024, 0.2037,  
0.2387

■ 27.6279, 0.1973,  
0.2263

# Harmonies

## Analogous

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



68.1707, 0.3090, 0.3286



68.1707, 0.3085, 0.3268



68.1707, 0.3092, 0.3256

# Triad

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



68.1707, 0.3085, 0.3268



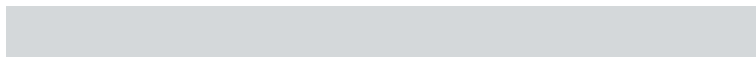
68.1707, 0.3150, 0.3275



68.1707, 0.3147, 0.3328

# Complementary

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



68.1707, 0.3085, 0.3268



67.7120, 0.3170, 0.3312

# 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.



68.1707, 0.3163, 0.3325



68.1707, 0.3085, 0.3268



68.1707, 0.3165, 0.3294

# Square

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



68.1707, 0.3085, 0.3268



68.1707, 0.3129, 0.3260



68.1707, 0.3170, 0.3312



68.1707, 0.3125, 0.3321

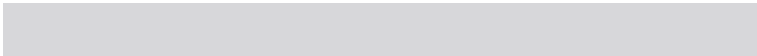


# Rectangle

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



68.1707, 0.3085, 0.3268



68.1707, 0.3102, 0.3253



68.1707, 0.3170, 0.3312



68.1707, 0.3153, 0.3328

# Sweetspot

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



68.1736, 0.3085, 0.3268



98.9899, 0.3112, 0.3282



68.9707, 0.3111, 0.3336



21.1986, 0.3112, 0.3282



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

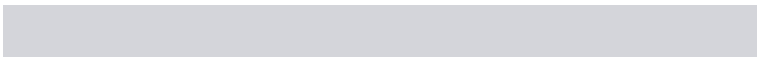
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1736, 0.3085, 0.3268



96.9956, 0.3081, 0.3266



66.6795, 0.3086, 0.3235



14.9088, 0.3069, 0.3260



15.7140, 0.1942, 0.2192



1.1725, 0.1998, 0.2392



# Inverse Universe

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



66.9341, 0.3144, 0.3245



95.0561, 0.3145, 0.3241



69.2139, 0.3168, 0.3344



14.5370, 0.3150, 0.3228



10.2101, 0.4240, 0.2110

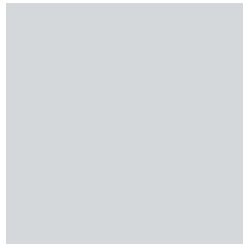


0.6770, 0.4031, 0.1994



# Previews

## White Background



This preview shows how the Yxy color 68.1707, 0.3085, 0.3268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

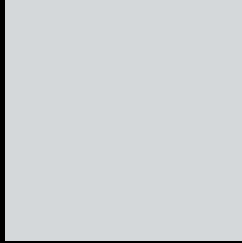
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.1707, 0.3085, 0.3268 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

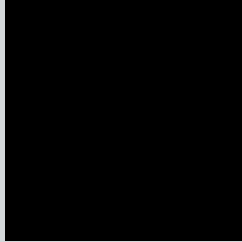
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

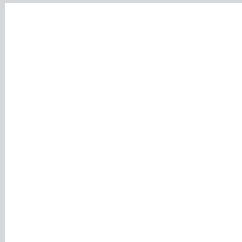
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.1707, 0.3085, 0.3268**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.1707, 0.3085, 0.3268.

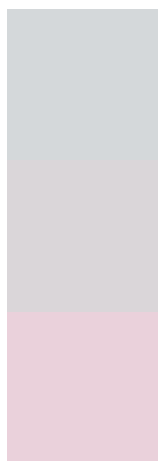


This preview shows how white text looks on a background with the Yxy color 68.1707, 0.3085, 0.3268.

# 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

68.1707, 0.3085, 0.3268

### Protanopia

68.0083, 0.3136, 0.3257

### Deuteranopia

68.2078, 0.3245, 0.3184



## Tritanopia

68.1588, 0.3014, 0.3103

# Trichromacy



## Original Color

68.1707, 0.3085, 0.3268

## Protanomaly

68.2096, 0.3121, 0.3268

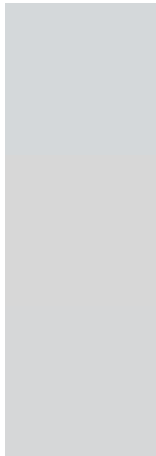
## Deuteranomaly

68.3702, 0.3182, 0.3214

## Tritanomaly

68.2380, 0.3040, 0.3168

# Monochromacy



## Original Color

68.1707, 0.3085, 0.3268

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

67.8549, 0.3113, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.1707, 0.3085, 0.3268 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, 216, 218)` looks like.

```
.text, #text, p{  
    color:rgb(212, 216, 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, 216, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 216, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 68.1707, 0.3085, 0.3268 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, 216, 218) }
```

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

```
.border{ border-color:rgb(212, 216, 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, 216, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 216, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 216, 218);  
box-shadow:4px 4px 4px 4px rgb(212, 216,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.1707, 0.3085, 0.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 216, 218) }
```

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

```
.background{ background-color: rgb(212,  
216, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor