

# Converting Colors

$Yxy(69.5655, 0.3077, 0.3302)$

Have a look what the booklet for  
Yxy(69.5655, 0.3077, 0.3302)  
contains.

<b>Yxy(69.5739, 0.3077, 0.3301)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(69.5739, 0.3077, 0.3301)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D3DBDA
RGB	211, 219, 218
RGB Percent	83%, 86%, 85%
CMY	0.1725, 0.1412, 0.1451
CMYK	0.04, 0.00, 0.00, 0.14
HSL	172°, 10%, 84%
HSV	172°, 4%, 86%
XYZ	64.8527, 69.5739, 76.3395
YIQ	216.4940, -4.4470, -2.0070

# Conversions

## Conversions Part 2

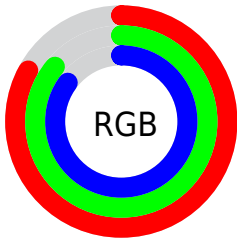
Format	Color
RYB	211, 215, 219
Decimal	13884378
CIELab	86.79, -2.87, -0.46
CIElCh	87, 2.902, 189.025
Yxy	69.5739, 0.3077, 0.3301
Android (android.graphics.Color)	4292074458 (0xFFD3DBDA)
YUV	216.4940, 0.7425, -4.8182
Hunter-Lab	83.4110, -7.1839, 4.1242

# Details

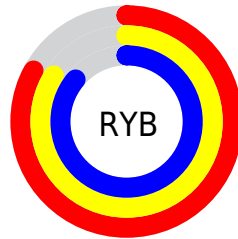
The Yxy color **69.5739, 0.3077, 0.3301** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.4098, 0.3180, 0.3279**, and the grayscale version is **69.0238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.2632, 0.3062, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **66.4166, 0.2943, 0.3333**, and if you desaturate by 10%, it is **73.1801, 0.3216, 0.3272**.

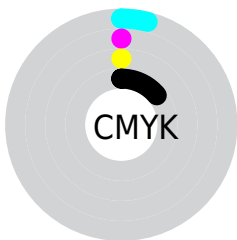
# Distribution



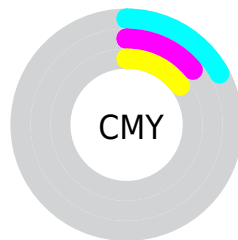
- Red (83%)
- Green (86%)
- Blue (85%)



- Red (83%)
- Yellow (84%)
- Blue (86%)



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



- Cyan (17%)
- Magenta (14%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5739, 0.3077, 0.3301 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 69.5739, 0.3077, 0.3301 by changing the saturation by 10% instead.



■ 69.5739, 0.3077,  
0.3301

■ 69.5739, 0.3077,  
0.3301

459.0525, 0.3100,  
0.3296

■ 51.1792, 0.3072,  
0.3302

118.6009, 0.3085,  
0.3299

■ 36.3513, 0.3065,  
0.3304

150.0020, 0.3088,  
0.3299

■ 24.7056, 0.3056,  
0.3305

186.5074, 0.3091,  
0.3298

■ 15.8579, 0.3045,  
0.3308

228.5015, 0.3093,  
0.3298

■ 9.4236, 0.3030,  
0.3311

276.3687, 0.3096,  
0.3297

■ 5.0185, 0.3007,  
0.3316

330.4933, 0.3097,

■ 2.2581, 0.2970,

0.3297

0.3323

391.2598, 0.3099,  
0.3296

0.7514, 0.2869,  
0.3346

0.0000, 0.0000,  
0.0000

69.5739, 0.3077,  
0.3301

69.5739, 0.3077,  
0.3301

66.4166, 0.2943,  
0.3333

73.1801, 0.3216,  
0.3272

63.6818, 0.2817,  
0.3369

77.2432, 0.3357,  
0.3246


61.3533, 0.2702,  
0.3406

77.4283, 0.3339,  
0.3218


59.4110, 0.2600,  
0.3447

77.5806, 0.3320,  
0.3191

 57.8327, 0.2515,  
0.3489


 77.7353, 0.3301,  
0.3164


 56.5941, 0.2447,  
0.3532


 77.8924, 0.3282,  
0.3137

 55.6678, 0.2399,  
0.3576

 78.0520, 0.3263,  
0.3110

 55.0223, 0.2370,  
0.3620

 78.2140, 0.3244,  
0.3083

 54.6192, 0.2359,  
0.3664

 78.3785, 0.3225,  
0.3056

# Harmonies

## Analogous

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



69.5739, 0.3107, 0.3330



69.5739, 0.3077, 0.3301



69.5739, 0.3060, 0.3269

# Triad

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



69.5739, 0.3077, 0.3301



69.5739, 0.3111, 0.3233



69.5739, 0.3194, 0.3337

# Complementary

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



69.5739, 0.3077, 0.3301



66.4098, 0.3180, 0.3279

# 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.



69.5739, 0.3195, 0.3311



69.5739, 0.3077, 0.3301



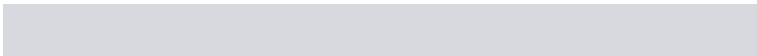
69.5739, 0.3147, 0.3251

# Square

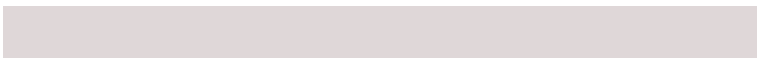
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5739, 0.3077, 0.3301



69.5739, 0.3080, 0.3230



69.5739, 0.3178, 0.3279



69.5739, 0.3175, 0.3351



# Rectangle

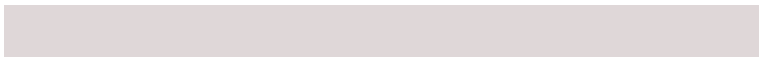
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.5739, 0.3077, 0.3301



69.5739, 0.3059, 0.3251



69.5739, 0.3178, 0.3279



69.5739, 0.3196, 0.3329

# Sweetspot

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



69.5769, 0.3077, 0.3301



99.4990, 0.3113, 0.3293



69.3766, 0.3131, 0.3380



21.3022, 0.3114, 0.3293



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.



69.5769, 0.3077, 0.3301



98.0344, 0.3072, 0.3302



68.1145, 0.3071, 0.3257



15.1329, 0.3062, 0.3304



32.2963, 0.2357, 0.3684



2.1004, 0.2337, 0.3613



# Inverse Universe

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



66.4098, 0.3180, 0.3279



93.1026, 0.3185, 0.3278



67.8283, 0.3184, 0.3323



14.2439, 0.3196, 0.3276



8.9869, 0.6235, 0.3208

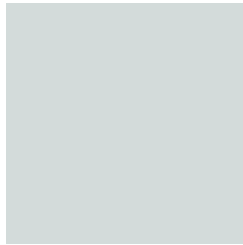


0.5911, 0.5876, 0.3011



# Previews

## White Background



This preview shows how the Yxy color 69.5739, 0.3077, 0.3301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

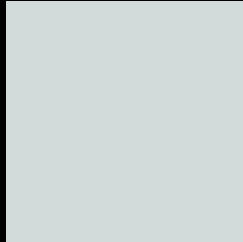
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.5739, 0.3077, 0.3301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

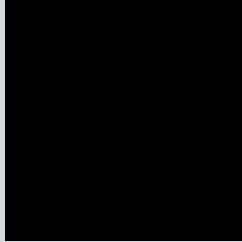
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

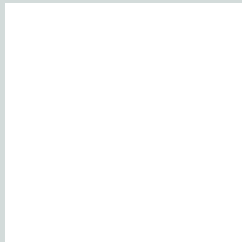
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.5739, 0.3077, 0.3301**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5739, 0.3077, 0.3301.

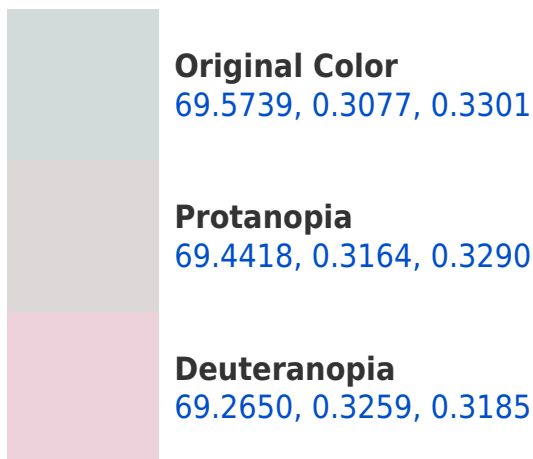


This preview shows how white text looks on a background with the Yxy color 69.5739, 0.3077, 0.3301.

# 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

69.8624, 0.2995, 0.3105

# Trichromacy



## Original Color

69.5739, 0.3077, 0.3301

## Protanomaly

69.3872, 0.3127, 0.3290

## Deuteranomaly

69.1970, 0.3197, 0.3225

## Tritanomaly

69.8904, 0.3026, 0.3180

# Monochromacy



## Original Color

69.5739, 0.3077, 0.3301

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.9316, 0.3106, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5739, 0.3077, 0.3301 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(211, 219, 218) looks like.

```
.text, #text, p{  
    color:rgb(211, 219, 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(211, 219, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 219, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5739, 0.3077, 0.3301 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(211, 219, 218) }
```

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

```
.border{ border-color:rgb(211, 219, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 219, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 219, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 219, 218);  
box-shadow:4px 4px 4px 4px rgb(211, 219,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5739, 0.3077, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 219, 218) }
```

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

```
.background{ background-color: rgb(211,  
219, 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