

# Converting Colors

$Yxy(69.2537, 0.3008, 0.3093)$

Have a look what the booklet for  
Yxy(69.2537, 0.3008, 0.3093)  
contains.

<b>Yxy(68.9885, 0.3002, 0.3083)</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(68.9885, 0.3002, 0.3083)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7D7EA
RGB	215, 215, 234
RGB Percent	84%, 84%, 92%
CMY	0.1568, 0.1568, 0.0824
CMYK	0.08, 0.08, 0.00, 0.08
HSL	240°, 31%, 88%
HSV	240°, 8%, 92%
XYZ	67.1760, 68.9885, 87.6062
YIQ	217.1660, -6.0990, 5.9090

# Conversions

## Conversions Part 2

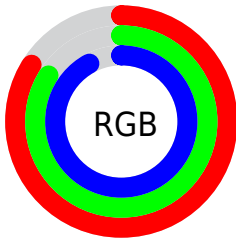
Format	Color
R <sub>Y</sub> B	215, 215, 234
Decimal	14145514
CIE Lab	86.50, 3.57, -9.30
CIE LCh	86, 9.960, 291.031
Yxy	68.9885, 0.3002, 0.3083
Android (android.graphics.Color)	4292335594 (0xFFD7D7EA)
YUV	217.1660, 8.2992, -1.8996
Hunter-Lab	83.0593, -0.9882, -4.3942

# Details

The Yxy color  $68.9885, 0.3002, 0.3083$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $81.2338, 0.3247, 0.3489$ , and the grayscale version is  $69.4549, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $35.8295, 0.2972, 0.3033$  is the 20% darker color. If you saturate the color by 10%, you get  $54.6226, 0.2829, 0.2796$ , and if you desaturate by 10%, it is  $85.5707, 0.3154, 0.3335$ .

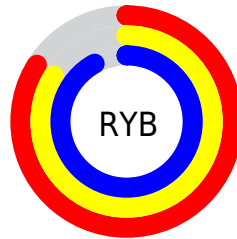
# Distribution



Red (84%)

Green (84%)

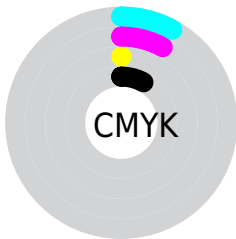
Blue (92%)



Red (84%)

Yellow (84%)

Blue (92%)

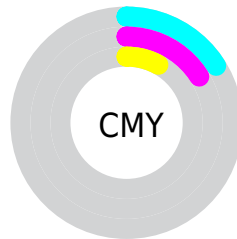


Cyan (8%)

Magenta (8%)

Yellow (0%)

Black (8%)



Cyan (16%)

Magenta (16%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9885, 0.3002, 0.3083 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 68.9885, 0.3002, 0.3083 by changing the saturation by 10% instead.



■ 68.9885, 0.3002,  
0.3083

■ 68.9885, 0.3002,  
0.3083

456.9904, 0.3061,  
0.3179

■ 50.7023, 0.2988,  
0.3061

117.7651, 0.3023,  
0.3116

■ 35.9718, 0.2972,  
0.3034

149.0244, 0.3030,  
0.3129

■ 24.4124, 0.2950,  
0.3000

185.3769, 0.3037,  
0.3140

■ 15.6398, 0.2922,  
0.2955

227.2069, 0.3043,  
0.3150

■ 9.2696, 0.2882,  
0.2893

274.8989, 0.3048,  
0.3159

■ 4.9175, 0.2825,  
0.2805

328.8372, 0.3053,

■ 2.1989, 0.2733,

0.3166

0.2666

389.4062, 0.3057,  
0.3173

0.7194, 0.2567,  
0.2395

0.0000, 0.0000,  
0.0000

68.9885, 0.3002,  
0.3083

68.9885, 0.3002,  
0.3083

54.6226, 0.2829,  
0.2796

85.5707, 0.3154,  
0.3335

42.3710, 0.2635,  
0.2477

98.7197, 0.3250,  
0.3493

32.1365, 0.2426,  
0.2131

23.8110, 0.2209,  
0.1772

■ 17.2764, 0.1998,  
0.1423

■ 12.4014, 0.1808,  
0.1109

■ 9.0367, 0.1657,  
0.0860

■ 7.0065, 0.1556,  
0.0693

■ 6.0645, 0.1507,  
0.0611

# Harmonies

## Analogous

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



68.9885, 0.2919, 0.3104



68.9885, 0.3002, 0.3083



68.9885, 0.3119, 0.3115

# Triad

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



68.9885, 0.3002, 0.3083



68.9885, 0.3369, 0.3397



68.9885, 0.3013, 0.3391

# Complementary

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



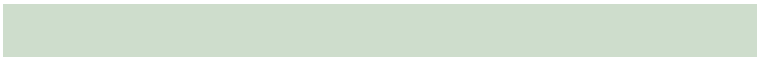
68.9885, 0.3002, 0.3083



81.2338, 0.3247, 0.3489

# 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.



68.9885, 0.3131, 0.3474



68.9885, 0.3002, 0.3083



68.9885, 0.3338, 0.3475

# Square

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



68.9885, 0.3002, 0.3083



68.9885, 0.3333, 0.3294



68.9885, 0.3251, 0.3505



68.9885, 0.2926, 0.3281



# Rectangle

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



68.9885, 0.3002, 0.3083



68.9885, 0.3202, 0.3162



68.9885, 0.3251, 0.3505



68.9885, 0.3050, 0.3423

# Sweetspot

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



68.9914, 0.3002, 0.3083



95.8348, 0.3097, 0.3241



79.2254, 0.3002, 0.3290



20.5562, 0.3099, 0.3243



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.



68.9914, 0.3002, 0.3083



80.2771, 0.2970, 0.3030



70.4695, 0.3069, 0.3087



14.5491, 0.2980, 0.3046



3.3385, 0.1500, 0.0600



0.2622, 0.1500, 0.0600



# Inverse Universe

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



72.0328, 0.3136, 0.3092



84.7953, 0.3139, 0.3044



79.6711, 0.3182, 0.3493



15.3137, 0.3138, 0.3058



13.1662, 0.3210, 0.1542

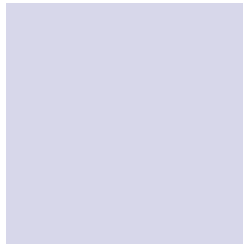


1.0339, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 68.9885, 0.3002, 0.3083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

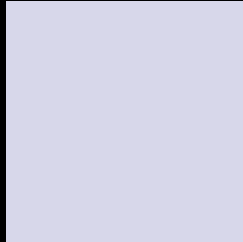
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.9885, 0.3002, 0.3083 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

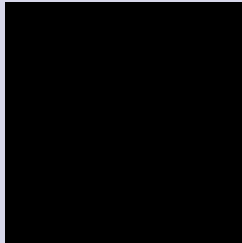
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

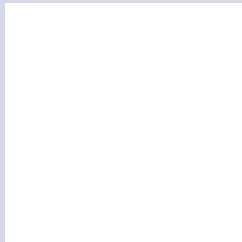
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.9885, 0.3002, 0.3083**

## Background



This preview shows how black text looks on a background with the Yxy color 68.9885, 0.3002, 0.3083.

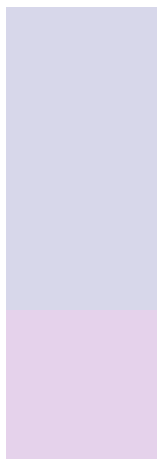


This preview shows how white text looks on a background with the Yxy color 68.9885, 0.3002, 0.3083.

# 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

68.9885, 0.3002, 0.3083

### Protanopia

68.9885, 0.3002, 0.3083

### Deuteranopia

68.7494, 0.3096, 0.3025



## Tritanopia

68.8741, 0.3015, 0.3104

# Trichromacy



## Original Color

68.9885, 0.3002, 0.3083

## Protanomaly

68.9885, 0.3002, 0.3083

## Deuteranomaly

68.9324, 0.3059, 0.3044

## Tritanomaly

68.9311, 0.3008, 0.3093

# Monochromacy



## Original Color

68.9885, 0.3002, 0.3083

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.0384, 0.3080, 0.3213

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.9885, 0.3002, 0.3083 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(215, 215, 234)` looks like.

```
.text, #text, p{  
    color:rgb(215, 215, 234)  
}
```

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(215, 215, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 215, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 68.9885, 0.3002, 0.3083 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(215, 215, 234) }
```

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

```
.border{ border-color:rgb(215, 215, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 215, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 215, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 215, 234);  
box-shadow:4px 4px 4px 4px rgb(215, 215,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.9885, 0.3002, 0.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 215, 234) }
```

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

```
.background{ background-color: rgb(215,  
215, 234) }
```

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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