

# Converting Colors

$Yxy(68.3959, 0.3678, 0.4249)$

Have a look what the booklet for  
Yxy(68.3959, 0.3678, 0.4249)  
contains.

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# Color

**Yxy(68.3959, 0.3678, 0.4249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DADD88
RGB	218, 221, 136
RGB Percent	85%, 87%, 53%
CMY	0.1452, 0.1333, 0.4667
CMYK	0.01, 0.00, 0.38, 0.13
HSL	62°, 56%, 70%
HSV	62°, 38%, 87%
XYZ	59.2045, 68.3959, 33.3690
YIQ	210.4130, 25.4970, -27.0710

# Conversions

## Conversions Part 2

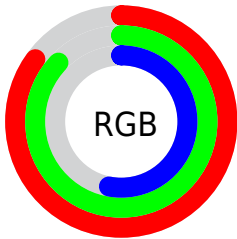
Format	Color
<a href="#">RYB</a>	<a href="#">136, 221, 139</a>
Decimal	<a href="#">14343560</a>
CIELab	<a href="#">86.20, -13.52, 41.37</a>
CIELCh	<a href="#">86, 43.525, 108.097</a>
Yxy	<a href="#">68.3959, 0.3678, 0.4249</a>
Android (android.graphics.Color)	<a href="#">4292533640 (0xFFDADD88)</a>
YUV	<a href="#">210.4130, -36.6856, 6.6538</a>
Hunter-Lab	<a href="#">82.7018, -16.9437, 33.9686</a>

# Details

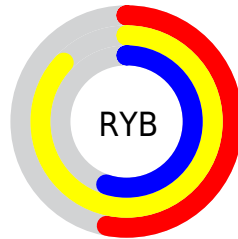
The Yxy color **68.3959, 0.3678, 0.4249** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **28.3196, 0.2444, 0.2129**, and the grayscale version is **64.9654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **35.5939, 0.3796, 0.4483** is the 20% darker color. If you saturate the color by 10%, you get **67.7119, 0.3807, 0.4479**, and if you desaturate by 10%, it is **69.2162, 0.3538, 0.4003**.

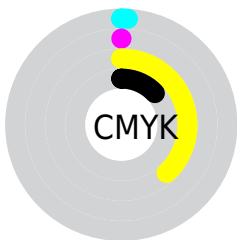
# Distribution



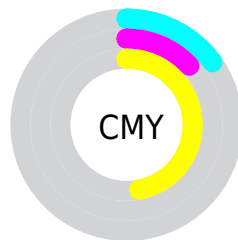
- Red (85%)
- Green (87%)
- Blue (53%)



- Red (53%)
- Yellow (87%)
- Blue (55%)



- Cyan (1%)
- Magenta (0%)
- Yellow (38%)
- Black (13%)




- Cyan (15%)
- Magenta (13%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3959, 0.3678, 0.4249 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 68.3959, 0.3678, 0.4249 by changing the saturation by 10% instead.





 68.3959, 0.3678,  
0.4249

 68.3959, 0.3678,  
0.4249


454.8974, 0.3434,  
0.3796


 50.2199, 0.3729,  
0.4353


 116.9183, 0.3597,  
0.4091

 35.5881, 0.3789,  
0.4480


 148.0335, 0.3564,  
0.4030

 24.1163, 0.3859,  
0.4638


 184.2306, 0.3535,  
0.3977

 15.4199, 0.3939,  
0.4840

225.8939, 0.3510,  
0.3931

 9.1146, 0.4025,  
0.5099

273.4078, 0.3488,  
0.3891

 4.8160, 0.4167,  
0.5527


327.1568, 0.3468,

 2.1397, 0.4114,


0.3856


0.5886


387.5252, 0.3450,  
0.3824


 0.6868, 0.3197,  
0.6803


 0.0000, 0.0000,  
0.0000


 68.3959, 0.3678,  
0.4249


 68.3959, 0.3678,  
0.4249


 67.7119, 0.3807,  
0.4479


 69.2162, 0.3538,  
0.4003


 67.1470, 0.3919,  
0.4681


 70.1710, 0.3393,  
0.3749


 66.6952, 0.4009,  
0.4849


 71.2700, 0.3248,  
0.3497


 66.3466, 0.4074,  
0.4974

 72.5196, 0.3106,  
0.3253


 66.0891, 0.4113,  
0.5055


 73.9258, 0.2971,  
0.3022

 65.9050, 0.4129,  
0.5098

 74.5870, 0.2924,  
0.2937

 65.8794, 0.4130,  
0.5103

 74.7133, 0.2930,  
0.2938

 74.8402, 0.2935,  
0.2938

 74.9676, 0.2940,  
0.2939

# Harmonies

## Analogous

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



68.3959, 0.4064, 0.4025



68.3959, 0.3678, 0.4249



68.3959, 0.3163, 0.4184

# Triad

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



68.3959, 0.3678, 0.4249



68.3959, 0.2163, 0.2793



68.3959, 0.3564, 0.2843

# Complementary

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



68.3959, 0.3678, 0.4249



28.3196, 0.2444, 0.2129

# 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.



68.3959, 0.3017, 0.2566



68.3959, 0.3678, 0.4249



68.3959, 0.2246, 0.2514

# Square

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



68.3959, 0.3678, 0.4249



68.3959, 0.2306, 0.3261



68.3959, 0.2544, 0.2445



68.3959, 0.4012, 0.3225



# Rectangle

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



68.3959, 0.3678, 0.4249



68.3959, 0.2819, 0.3957



68.3959, 0.2544, 0.2445



68.3959, 0.3383, 0.2736

# Sweetspot

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



68.3990, 0.3678, 0.4249



97.9755, 0.3300, 0.3588



35.5664, 0.4067, 0.3327



20.9276, 0.3319, 0.3621



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.



68.3990, 0.3678, 0.4249



93.8154, 0.3781, 0.4432



62.6911, 0.3350, 0.4363



15.2388, 0.3261, 0.3521



38.2745, 0.4131, 0.5102



2.4872, 0.4142, 0.5093



# Inverse Universe

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



28.3196, 0.2444, 0.2129



31.0543, 0.2278, 0.1850



32.6913, 0.2803, 0.2235



12.6394, 0.2986, 0.3049



3.0729, 0.1512, 0.0607

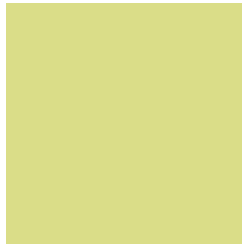


0.2071, 0.1548, 0.0626



# Previews

## White Background



This preview shows how the Yxy color 68.3959, 0.3678, 0.4249 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 68.3959, 0.3678, 0.4249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

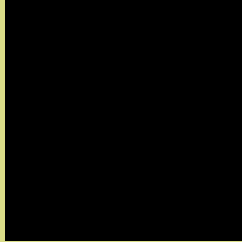
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.3959, 0.3678, 0.4249**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.3959, 0.3678, 0.4249.



This preview shows how white text looks on a background with the Yxy color 68.3959, 0.3678, 0.4249.

# 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

68.3959, 0.3678, 0.4249

### Protanopia

68.4951, 0.3847, 0.4175

### Deuteranopia

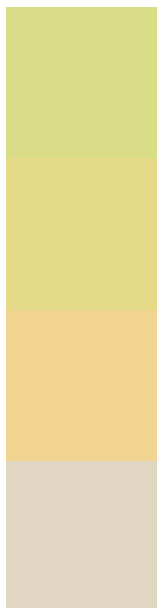
68.0877, 0.3935, 0.3880



## Tritanopia

68.2973, 0.3150, 0.3108

# Trichromacy



## Original Color

68.3959, 0.3678, 0.4249

## Protanomaly

68.5501, 0.3784, 0.4200

## Deuteranomaly

68.0085, 0.3845, 0.4006

## Tritanomaly

67.9957, 0.3349, 0.3513

# Monochromacy



## Original Color

68.3959, 0.3678, 0.4249

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

65.6582, 0.3335, 0.3648

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.3959, 0.3678, 0.4249 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(218, 221, 136)` looks like.

```
.text, #text, p{  
    color:rgb(218, 221, 136)  
}
```

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(218, 221, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 221, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 68.3959, 0.3678, 0.4249 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(218, 221, 136) }
```

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

```
.border{ border-color:rgb(218, 221, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 221, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 221, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 221, 136);  
box-shadow:4px 4px 4px 4px rgb(218, 221,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.3959, 0.3678, 0.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 221, 136) }
```

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

```
.background{ background-color: rgb(218,  
221, 136) }
```

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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