

# Converting Colors

$Yxy(69.0454, 0.3235, 0.3749)$

Have a look what the booklet for  
Yxy(69.0454, 0.3235, 0.3749)  
contains.

<b>Yxy(68.7926, 0.3234, 0.3745)</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(68.7926, 0.3234, 0.3745)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CADFB8
RGB	202, 223, 184
RGB Percent	79%, 87%, 72%
CMY	0.2077, 0.1255, 0.2784
CMYK	0.09, 0.00, 0.17, 0.13
HSL	92°, 38%, 80%
HSV	92°, 17%, 87%
XYZ	59.4059, 68.7926, 55.4933
YIQ	212.2750, 0.0030, -16.5810

# Conversions

## Conversions Part 2

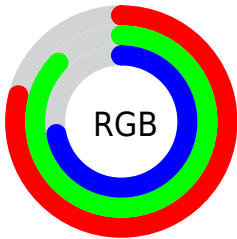
Format	Color
<a href="#">RYB</a>	<a href="#">184, 223, 205</a>
Decimal	<a href="#">13295544</a>
CIELab	<a href="#">86.40, -13.89, 16.80</a>
CIELCh	<a href="#">86, 21.795, 129.581</a>
Yxy	<a href="#">68.7926, 0.3234, 0.3745</a>
Android (android.graphics.Color)	<a href="#">4291485624</a> ( <a href="#">0xFFCADFB8</a> )
YUV	<a href="#">212.2750, -13.9396, -9.0112</a>
Hunter-Lab	<a href="#">82.9413, -17.2983, 18.3899</a>

# Details

The Yxy color **68.7926, 0.3234, 0.3745** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.5791, 0.3003, 0.2839**, and the grayscale version is **66.1317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **35.9399, 0.3257, 0.3862** is the 20% darker color. If you saturate the color by 10%, you get **66.3259, 0.3292, 0.4033**, and if you desaturate by 10%, it is **71.5424, 0.3173, 0.3476**.

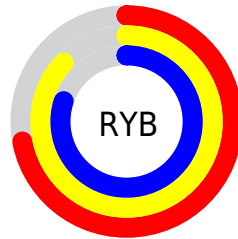
# Distribution



Red (79%)

Green (87%)

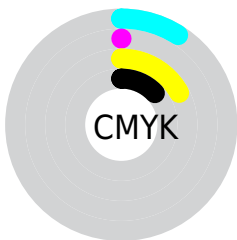
Blue (72%)



Red (72%)

Yellow (87%)

Blue (80%)

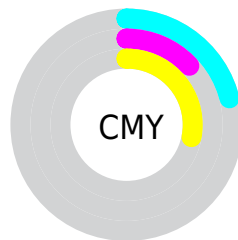


Cyan (9%)

Magenta (0%)

Yellow (17%)

Black (13%)



Cyan (21%)

Magenta (13%)


Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7926, 0.3234, 0.3745 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 68.7926, 0.3234, 0.3745 by changing the saturation by 10% instead.




 68.7926, 0.3234,  
0.3745

 68.7926, 0.3234,  
0.3745


456.2991, 0.3187,  
0.3527

 50.5428, 0.3244,  
0.3797

 117.4853, 0.3218,  
0.3668

 35.8449, 0.3256,  
0.3861


148.6970, 0.3212,  
0.3638

 24.3144, 0.3271,  
0.3945


184.9981, 0.3206,  
0.3613

 15.5670, 0.3289,  
0.4057

226.7731, 0.3201,  
0.3591

 9.2183, 0.3311,  
0.4214

274.4063, 0.3197,  
0.3572

 4.8838, 0.3337,  
0.4450


328.2821, 0.3193,

 2.1793, 0.3366,


0.3555


0.4849


388.7849, 0.3190,  
0.3540


 0.7087, 0.3207,  
0.6793


 0.0000, 0.0000,  
0.0000


 68.7926, 0.3234,  
0.3745


 68.7926, 0.3234,  
0.3745


 66.3259, 0.3292,  
0.4033

 71.5424, 0.3173,  
0.3476

 64.1235, 0.3343,  
0.4335

 74.5756, 0.3112,  
0.3230

 62.1779, 0.3384,  
0.4640

 77.9039, 0.3052,  
0.3008

 60.4779, 0.3411,  
0.4936

 80.3078, 0.3107,  
0.2976

■ 59.0112, 0.3420,  
0.5207

■ 81.2515, 0.3142,  
0.2979

■ 57.7641, 0.3407,  
0.5437

■ 56.7210, 0.3374,  
0.5613

■ 55.8621, 0.3322,  
0.5730

■ 55.6681, 0.3309,  
0.5755

# Harmonies

## Analogous

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



68.7926, 0.3479, 0.3753



68.7926, 0.3234, 0.3745



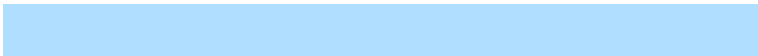
68.7926, 0.2967, 0.3599

# Triad

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



68.7926, 0.3234, 0.3745



68.7926, 0.2642, 0.2929



68.7926, 0.3514, 0.3206

# Complementary

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



68.7926, 0.3234, 0.3745



52.5791, 0.3003, 0.2839

# 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.



68.7926, 0.3275, 0.3008



68.7926, 0.3234, 0.3745



68.7926, 0.2774, 0.2848

# Square

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



68.7926, 0.3234, 0.3745



68.7926, 0.2634, 0.3113



68.7926, 0.3003, 0.2879



68.7926, 0.3648, 0.3431



# Rectangle

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



68.7926, 0.3234, 0.3745



68.7926, 0.2813, 0.3445



68.7926, 0.3003, 0.2879



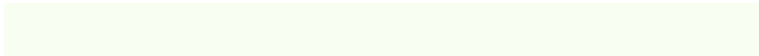
68.7926, 0.3443, 0.3135

# Sweetspot

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



68.7956, 0.3234, 0.3745



97.9301, 0.3158, 0.3414



62.7126, 0.3423, 0.3527



20.9005, 0.3162, 0.3432



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

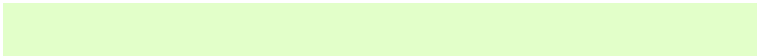


# Same Dimension

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



68.7956, 0.3234, 0.3745



91.9654, 0.3256, 0.3849



66.4772, 0.3097, 0.3747



15.6465, 0.3185, 0.3527



32.8001, 0.3319, 0.5746



2.3264, 0.3439, 0.5651



# Inverse Universe

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



52.5791, 0.3003, 0.2839



66.0616, 0.2972, 0.2737



55.2250, 0.3157, 0.2872



13.6040, 0.3064, 0.3054



5.5391, 0.2101, 0.0931



0.4371, 0.2262, 0.1020



# Previews

## White Background



This preview shows how the Yxy color 68.7926, 0.3234, 0.3745 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

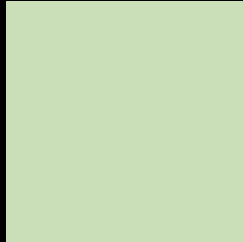
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.7926, 0.3234, 0.3745 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

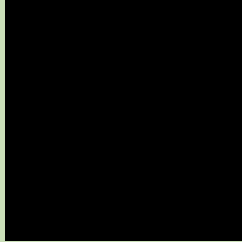
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

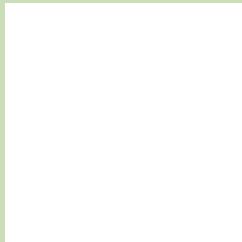
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.7926, 0.3234, 0.3745**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.7926, 0.3234, 0.3745.

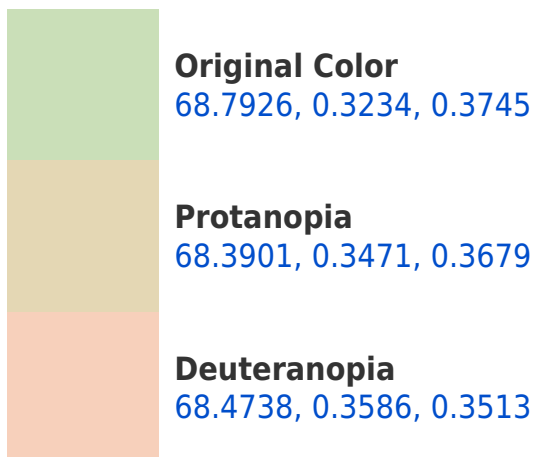


This preview shows how white text looks on a background with the Yxy color 68.7926, 0.3234, 0.3745.

# 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

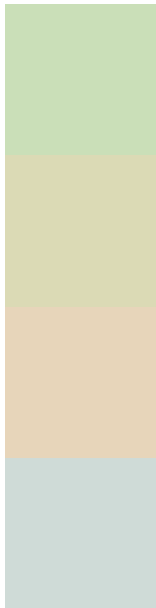




## Tritanopia

68.6966, 0.2974, 0.3103

# Trichromacy



**Original Color**

68.7926, 0.3234, 0.3745

**Protanomaly**

68.5391, 0.3389, 0.3709

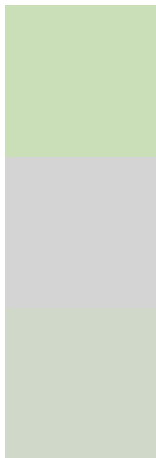
**Deuteranomaly**

68.1226, 0.3455, 0.3588

**Tritanomaly**

68.8347, 0.3068, 0.3335

# Monochromacy



**Original Color**

68.7926, 0.3234, 0.3745

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

66.7859, 0.3163, 0.3450

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7926, 0.3234, 0.3745 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(202, 223, 184)` looks like.

```
.text, #text, p{  
    color:rgb(202, 223, 184)  
}
```

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(202, 223, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 223, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7926, 0.3234, 0.3745 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(202, 223, 184) }
```

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

```
.border{ border-color:rgb(202, 223, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 223, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 223, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 223, 184);  
box-shadow:4px 4px 4px 4px rgb(202, 223,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7926, 0.3234, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 223, 184) }
```

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

```
.background{ background-color: rgb(202,  
223, 184) }
```

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