

# Converting Colors

$Yxy(68.6579, 0.3422, 0.4007)$

Have a look what the booklet for  
Yxy(68.6579, 0.3422, 0.4007)  
contains.

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# Color

**Yxy(68.6140, 0.3423, 0.4012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFDFA1
RGB	207, 223, 161
RGB Percent	81%, 87%, 63%
CMY	0.1884, 0.1254, 0.3687
CMYK	0.07, 0.00, 0.28, 0.13
HSL	76°, 49%, 75%
HSV	76°, 28%, 87%
XYZ	58.5408, 68.6140, 43.8671
YIQ	211.1480, 10.3660, -22.6740

# Conversions

## Conversions Part 2

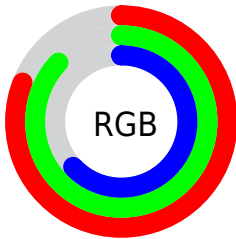
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 223, 177
Decimal	13623201
CIELab	86.31, -15.59, 28.69
CIELCh	86, 32.649, 118.522
Yxy	68.6140, 0.3423, 0.4012
Android (android.graphics.Color)	4291813281 (0xFFCFDFA1)
YUV	211.1480, -24.7230, -3.6378
Hunter-Lab	82.8336, -18.8078, 26.5846

# Details

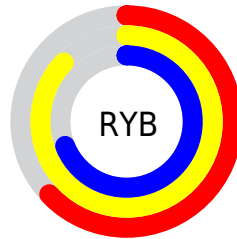
The Yxy color **68.6140, 0.3423, 0.4012** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.1654, 0.2769, 0.2516**, and the grayscale version is **65.4014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **35.7848, 0.3483, 0.4195** is the 20% darker color. If you saturate the color by 10%, you get **67.0825, 0.3523, 0.4284**, and if you desaturate by 10%, it is **70.3224, 0.3317, 0.3743**.

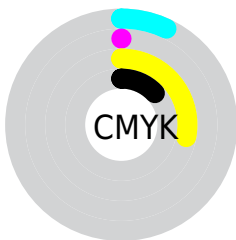
# Distribution



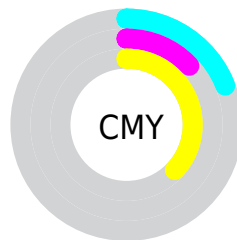
- Red (81%)
- Green (87%)
- Blue (63%)



- Red (63%)
- Yellow (87%)
- Blue (69%)



- Cyan (7%)
- Magenta (0%)
- Yellow (28%)
- Black (13%)




- Cyan (19%)
- Magenta (13%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6140, 0.3423, 0.4012 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 68.6140, 0.3423, 0.4012 by changing the saturation by 10% instead.




 68.6140, 0.3423,  
0.4012


 68.6140, 0.3423,  
0.4012


455.6684, 0.3291,  
0.3666

 50.3974, 0.3451,  
0.4094

 117.2301, 0.3379,  
0.3890

 35.7293, 0.3485,  
0.4195


 148.3984, 0.3361,  
0.3843

 24.2252, 0.3525,  
0.4326


184.6527, 0.3346,  
0.3803

 15.5007, 0.3573,  
0.4498

226.3774, 0.3332,  
0.3768

 9.1716, 0.3630,  
0.4735

273.9569, 0.3320,  
0.3738

 4.8533, 0.3690,  
0.5076


327.7757, 0.3310,

 2.1614, 0.3996,


0.3711


0.6004


388.2180, 0.3300,  
0.3687


 0.6988, 0.2887,  
0.7113


 0.0000, 0.0000,  
0.0000


 68.6140, 0.3423,  
0.4012


 68.6140, 0.3423,  
0.4012


 67.0825, 0.3523,  
0.4284

 70.3224, 0.3317,  
0.3743


 65.7109, 0.3612,  
0.4549

 72.2057, 0.3210,  
0.3483

 64.4938, 0.3685,  
0.4795

 74.2739, 0.3104,  
0.3238


 63.4219, 0.3736,  
0.5012


 76.5331, 0.3003,  
0.3011


 62.4845, 0.3764,  
0.5188

 77.8112, 0.3012,  
0.2967


 61.6693, 0.3765,  
0.5317

 78.8153, 0.3050,  
0.2971

 60.9590, 0.3743,  
0.5400

 79.8517, 0.3090,  
0.2975

 60.8122, 0.3737,  
0.5415

 80.9206, 0.3129,  
0.2979

 81.2664, 0.3142,  
0.2980

# Harmonies

## Analogous

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



68.6140, 0.3756, 0.3929



68.6140, 0.3423, 0.4012



68.6140, 0.3024, 0.3870

# Triad

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



68.6140, 0.3423, 0.4012



68.6140, 0.2389, 0.2829



68.6140, 0.3588, 0.3047

# Complementary

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



68.6140, 0.3423, 0.4012



40.1654, 0.2769, 0.2516

# Split Complementary

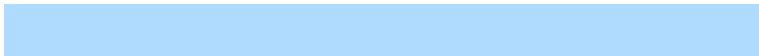
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.6140, 0.3192, 0.2795



68.6140, 0.3423, 0.4012



68.6140, 0.2515, 0.2662

# Square

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



68.6140, 0.3423, 0.4012



68.6140, 0.2442, 0.3144



68.6140, 0.2801, 0.2655



68.6140, 0.3862, 0.3363



# Rectangle

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



68.6140, 0.3423, 0.4012



68.6140, 0.2776, 0.3661



68.6140, 0.2801, 0.2655



68.6140, 0.3463, 0.2953

# Sweetspot

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



68.6170, 0.3423, 0.4012



97.7665, 0.3213, 0.3489



49.5075, 0.3684, 0.3474



20.8401, 0.3229, 0.3528



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

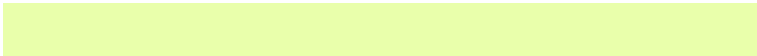


# Same Dimension

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



68.6170, 0.3423, 0.4012



91.8120, 0.3478, 0.4160



64.6464, 0.3198, 0.4066



15.8416, 0.3227, 0.3524



35.8062, 0.3744, 0.5410



2.5242, 0.3816, 0.5352



# Inverse Universe

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



40.1654, 0.2769, 0.2516



47.5806, 0.2684, 0.2344



44.1512, 0.3025, 0.2571



13.4141, 0.3021, 0.3050



3.7037, 0.1657, 0.0687

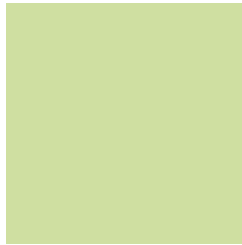


0.2993, 0.1816, 0.0774



# Previews

## White Background



This preview shows how the Yxy color 68.6140, 0.3423, 0.4012 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 68.6140, 0.3423, 0.4012 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

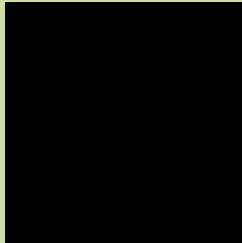
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

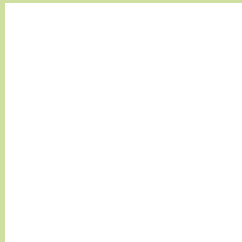
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.6140, 0.3423, 0.4012**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6140, 0.3423, 0.4012.

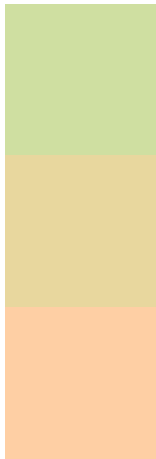


This preview shows how white text looks on a background with the Yxy color 68.6140, 0.3423, 0.4012.

# 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

68.6140, 0.3423, 0.4012

### Protanopia

68.2253, 0.3661, 0.3918

### Deuteranopia

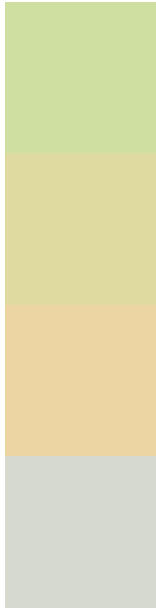
68.3768, 0.3821, 0.3738



## Tritanopia

68.4616, 0.3028, 0.3104

# Trichromacy



**Original Color**

68.6140, 0.3423, 0.4012

**Protanomaly**

68.3340, 0.3573, 0.3954

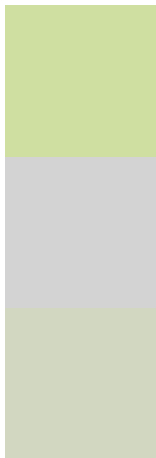
**Deuteranomaly**

68.2374, 0.3671, 0.3835

**Tritanomaly**

68.2281, 0.3172, 0.3414

# Monochromacy



**Original Color**

68.6140, 0.3423, 0.4012

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

66.1528, 0.3241, 0.3543

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6140, 0.3423, 0.4012 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(207, 223, 161)` looks like.

```
.text, #text, p{  
    color:rgb(207, 223, 161)  
}
```

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(207, 223, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 223, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6140, 0.3423, 0.4012 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(207, 223, 161) }
```

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

```
.border{ border-color:rgb(207, 223, 161) }
```

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

Here you see how a box with a 4 pixel rgb(207, 223, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 223, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 223, 161);  
box-shadow:4px 4px 4px 4px rgb(207, 223,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6140, 0.3423, 0.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 223, 161) }
```

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

```
.background{ background-color: rgb(207,  
223, 161) }
```

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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