

# Converting Colors

$Yxy(70.3077, 0.3378, 0.4080)$

Have a look what the booklet for  
Yxy(70.3077, 0.3378, 0.4080)  
contains.

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# Color

**Yxy(70.4424, 0.3374, 0.4086)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9E4A0
RGB	201, 228, 160
RGB Percent	79%, 89%, 63%
CMY	0.2119, 0.1058, 0.3725
CMYK	0.12, 0.00, 0.30, 0.11
HSL	84°, 56%, 76%
HSV	84°, 30%, 89%
XYZ	58.1676, 70.4424, 43.7895
YIQ	212.1750, 5.7360, -26.8720

# Conversions

## Conversions Part 2

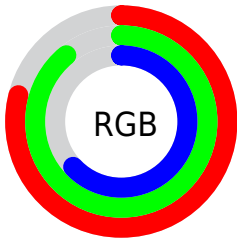
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 228, 187
Decimal	13231264
CIELab	87.21, -20.38, 30.33
CIELCh	87, 36.538, 123.900
Yxy	70.4424, 0.3374, 0.4086
Android (android.graphics.Color)	4291421344 (0xFFC9E4A0)
YUV	212.1750, -25.7223, -9.8005
Hunter-Lab	83.9300, -23.1682, 27.8171

# Details

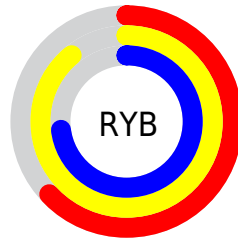
The Yxy color **70.4424, 0.3374, 0.4086** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.3179, 0.2814, 0.2470**, and the grayscale version is **66.1295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **37.0808, 0.3416, 0.4293** is the 20% darker color. If you saturate the color by 10%, you get **68.4992, 0.3447, 0.4374**, and if you desaturate by 10%, it is **72.6124, 0.3293, 0.3804**.

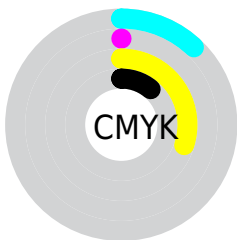
# Distribution



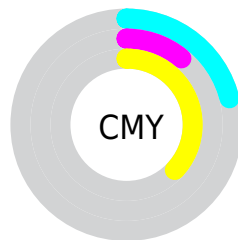
- Red (79%)
- Green (89%)
- Blue (63%)



- Red (63%)
- Yellow (89%)
- Blue (73%)



- Cyan (12%)
- Magenta (0%)
- Yellow (30%)
- Black (11%)




- Cyan (21%)
- Magenta (11%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4424, 0.3374, 0.4086 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 70.4424, 0.3374, 0.4086 by changing the saturation by 10% instead.





 70.4424, 0.3374,  
0.4086

 70.4424, 0.3374,  
0.4086


462.1018, 0.3268,  
0.3704

 51.8873, 0.3396,  
0.4176


 119.8394, 0.3339,  
0.3951

 36.9152, 0.3420,  
0.4289


 151.4501, 0.3325,  
0.3899

 25.1419, 0.3449,  
0.4434


188.1815, 0.3313,  
0.3855

 16.1828, 0.3482,  
0.4625

230.4179, 0.3302,  
0.3816

 9.6536, 0.3515,  
0.4888

278.5437, 0.3292,  
0.3783

 5.1699, 0.3537,  
0.5268


332.9434, 0.3283,

 2.3473, 0.3748,

0.3753


0.6252

394.0013, 0.3275,  
0.3727


 0.7986, 0.2467,  
0.7533

 0.0000, 0.0000,  
0.0000


 70.4424, 0.3374,  
0.4086


 70.4424, 0.3374,  
0.4086


 68.4992, 0.3447,  
0.4374


 72.6124, 0.3293,  
0.3804

 66.7643, 0.3509,  
0.4658


 75.0085, 0.3210,  
0.3536


 65.2306, 0.3553,  
0.4925

 77.6420, 0.3126,  
0.3286

 63.8870, 0.3577,  
0.5163


 80.5204, 0.3044,  
0.3056


 62.7210, 0.3577,  
0.5357

 82.3655, 0.3081,  
0.3024

 61.7179, 0.3552,  
0.5501

 83.9756, 0.3139,  
0.3029

 60.8536, 0.3508,  
0.5596

 60.8395, 0.3507,  
0.5598

# Harmonies

## Analogous

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



70.4424, 0.3766, 0.4029



70.4424, 0.3374, 0.4086



70.4424, 0.2933, 0.3884

# Triad

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



70.4424, 0.3374, 0.4086



70.4424, 0.2325, 0.2732



70.4424, 0.3707, 0.3079

# Complementary

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



70.4424, 0.3374, 0.4086



41.3179, 0.2814, 0.2470

# Split Complementary

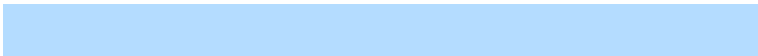
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.4424, 0.3279, 0.2787



70.4424, 0.3374, 0.4086



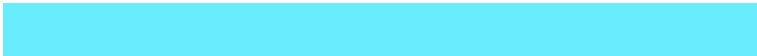
70.4424, 0.2497, 0.2583

# Square

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



70.4424, 0.3374, 0.4086



70.4424, 0.2347, 0.3052



70.4424, 0.2836, 0.2609



70.4424, 0.3975, 0.3431



# Rectangle

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



70.4424, 0.3374, 0.4086



70.4424, 0.2672, 0.3629



70.4424, 0.2836, 0.2609



70.4424, 0.3575, 0.2972

# Sweetspot

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



70.4455, 0.3374, 0.4086



96.9183, 0.3203, 0.3516



54.1843, 0.3706, 0.3591



20.6430, 0.3215, 0.3554



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

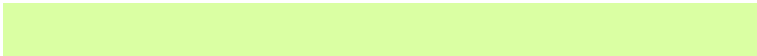


# Same Dimension

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



70.4455, 0.3374, 0.4086



89.1507, 0.3422, 0.4270



66.3519, 0.3139, 0.4147



16.5162, 0.3207, 0.3526



35.1961, 0.3517, 0.5590



2.6545, 0.3614, 0.5513



# Inverse Universe

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



41.3179, 0.2814, 0.2470



45.7266, 0.2730, 0.2273



45.9736, 0.3093, 0.2534



14.1655, 0.3042, 0.3051



4.5746, 0.1844, 0.0789

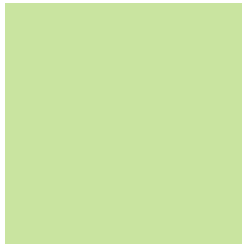


0.3908, 0.2008, 0.0880



# Previews

## White Background



This preview shows how the Yxy color 70.4424, 0.3374, 0.4086 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 70.4424, 0.3374, 0.4086 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 70.4424, 0.3374, 0.4086**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.4424, 0.3374, 0.4086.



This preview shows how white text looks on a background with the Yxy color 70.4424, 0.3374, 0.4086.

# 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



<b>Original Color</b>
<b>Protanopia</b>
<b>Deuteranopia</b>

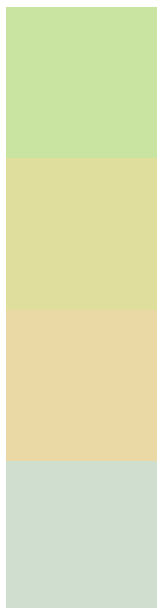
70.4424, 0.3374, 0.4086
70.2053, 0.3689, 0.3964
70.1803, 0.3788, 0.3726



## Tritanopia

70.1960, 0.2969, 0.3093

# Trichromacy



## Original Color

70.4424, 0.3374, 0.4086

## Protanomaly

70.3648, 0.3576, 0.4017

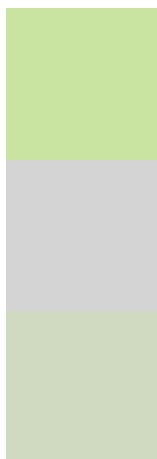
## Deuteranomaly

70.0045, 0.3629, 0.3857

## Tritanomaly

70.2065, 0.3120, 0.3448

# Monochromacy



## Original Color

70.4424, 0.3374, 0.4086

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

67.4030, 0.3223, 0.3578

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4424, 0.3374, 0.4086 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(201, 228, 160)` looks like.

```
.text, #text, p{  
    color:rgb(201, 228, 160)  
}
```

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(201, 228, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 228, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4424, 0.3374, 0.4086 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(201, 228, 160) }
```

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

```
.border{ border-color:rgb(201, 228, 160) }
```

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

Here you see how a box with a 4 pixel rgb(201, 228, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 228, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 228, 160);  
box-shadow:4px 4px 4px 4px rgb(201, 228,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4424, 0.3374, 0.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 228, 160) }
```

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

```
.background{ background-color: rgb(201,  
228, 160) }
```

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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