

# Converting Colors

$Yxy(70.0560, 0.3288, 0.3902)$

Have a look what the booklet for  
Yxy(70.0560, 0.3288, 0.3902)  
contains.

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# Color

**Yxy(69.8662, 0.3288, 0.3898)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C9E2AE
RGB	201, 226, 174
RGB Percent	79%, 89%, 68%
CMY	0.2116, 0.1137, 0.3175
CMYK	0.11, 0.00, 0.23, 0.11
HSL	89°, 47%, 78%
HSV	89°, 23%, 89%
XYZ	58.9328, 69.8662, 50.4370
YIQ	212.5970, 1.7920, -21.4720

# Conversions

## Conversions Part 2

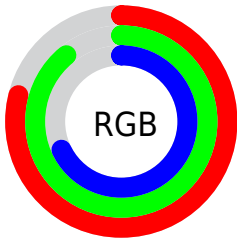
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 226, 199
Decimal	13230766
CIELab	86.93, -17.31, 22.72
CIELCh	87, 28.562, 127.303
Yxy	69.8662, 0.3288, 0.3898
Android (android.graphics.Color)	4291420846 (0xFFC9E2AE)
YUV	212.5970, -19.0283, -10.1706
Hunter-Lab	83.5860, -20.4230, 22.7338

# Details

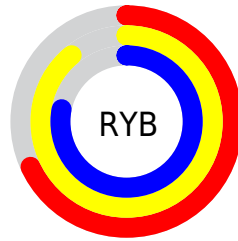
The Yxy color **69.8662, 0.3288, 0.3898** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.9137, 0.2932, 0.2680**, and the grayscale version is **66.3915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **36.7093, 0.3326, 0.4063** is the 20% darker color. If you saturate the color by 10%, you get **67.6086, 0.3352, 0.4190**, and if you desaturate by 10%, it is **72.3845, 0.3219, 0.3621**.

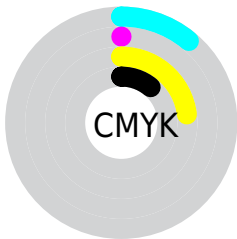
# Distribution



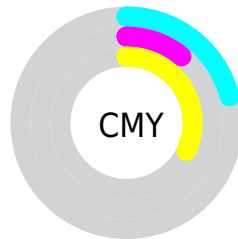
- Red (79%)
- Green (89%)
- Blue (68%)



- Red (68%)
- Yellow (89%)
- Blue (78%)



- Cyan (11%)
- Magenta (0%)
- Yellow (23%)
- Black (11%)




- Cyan (21%)
- Magenta (11%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8662, 0.3288, 0.3898 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 69.8662, 0.3288, 0.3898 by changing the saturation by 10% instead.




 69.8662, 0.3288,  
0.3898

 69.8662, 0.3288,  
0.3898


460.0801, 0.3218,  
0.3606

 51.4175, 0.3303,  
0.3967

 119.0179, 0.3265,  
0.3795

 36.5410, 0.3320,  
0.4054


150.4897, 0.3255,  
0.3755

 24.8523, 0.3340,  
0.4165


187.0713, 0.3247,  
0.3721

 15.9670, 0.3365,  
0.4314


229.1471, 0.3240,  
0.3692

 9.5008, 0.3392,  
0.4522

277.1014, 0.3234,  
0.3667

 5.0693, 0.3419,  
0.4830

331.3188, 0.3228,

 2.2880, 0.3495,

0.3644

0.5431

392.1835, 0.3223,  
0.3624

0.7673, 0.2856,  
0.7144

0.0000, 0.0000,  
0.0000

69.8662, 0.3288,  
0.3898

69.8662, 0.3288,  
0.3898

67.6086, 0.3352,  
0.4190

72.3845, 0.3219,  
0.3621

65.5930, 0.3408,  
0.4488

75.1634, 0.3148,  
0.3363

63.8120, 0.3451,  
0.4781

78.2144, 0.3078,  
0.3127

62.2546, 0.3476,  
0.5056

80.9237, 0.3069,  
0.3003

■ 60.9084, 0.3481,  
0.5296

■ 82.8696, 0.3140,  
0.3009

■ 59.7593, 0.3462,  
0.5489

■ 58.7909, 0.3422,  
0.5626

■ 58.2032, 0.3385,  
0.5695

# Harmonies

## Analogous

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



69.8662, 0.3603, 0.3886



69.8662, 0.3288, 0.3898



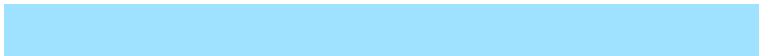
69.8662, 0.2941, 0.3718

# Triad

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



69.8662, 0.3288, 0.3898



69.8662, 0.2496, 0.2832



69.8662, 0.3613, 0.3157

# Complementary

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



69.8662, 0.3288, 0.3898



47.9137, 0.2932, 0.2680

# 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.



69.8662, 0.3290, 0.2912



69.8662, 0.3288, 0.3898



69.8662, 0.2653, 0.2723

# Square

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



69.8662, 0.3288, 0.3898



69.8662, 0.2497, 0.3076



69.8662, 0.2938, 0.2756



69.8662, 0.3801, 0.3443



# Rectangle

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



69.8662, 0.3288, 0.3898



69.8662, 0.2739, 0.3517



69.8662, 0.2938, 0.2756



69.8662, 0.3515, 0.3068

# Sweetspot

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



69.8692, 0.3288, 0.3898



97.3134, 0.3177, 0.3465



59.7407, 0.3539, 0.3567



20.7812, 0.3181, 0.3480



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

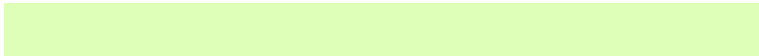


# Same Dimension

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



69.8692, 0.3288, 0.3898



90.2904, 0.3322, 0.4048



66.6489, 0.3109, 0.3932



15.6858, 0.3194, 0.3527



33.2779, 0.3396, 0.5686



2.3599, 0.3511, 0.5595



# Inverse Universe

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



47.9137, 0.2932, 0.2680



56.2237, 0.2878, 0.2529



51.6627, 0.3139, 0.2717



13.5646, 0.3055, 0.3053



5.0408, 0.1989, 0.0869

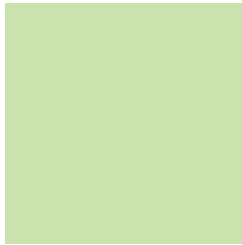


0.4025, 0.2159, 0.0963



# Previews

## White Background



This preview shows how the Yxy color 69.8662, 0.3288, 0.3898 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

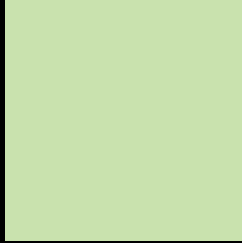
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8662, 0.3288, 0.3898 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

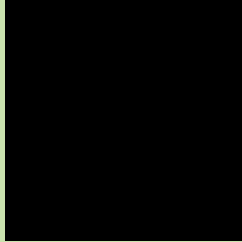
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

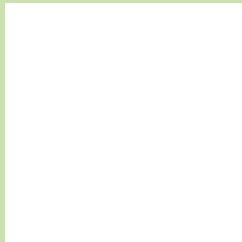
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8662, 0.3288, 0.3898**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8662, 0.3288, 0.3898.

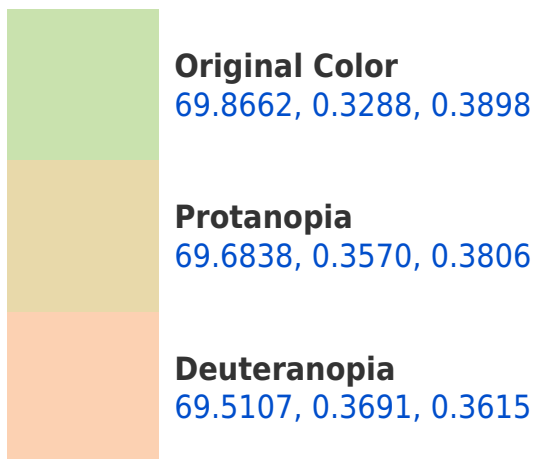


This preview shows how white text looks on a background with the Yxy color 69.8662, 0.3288, 0.3898.

# 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

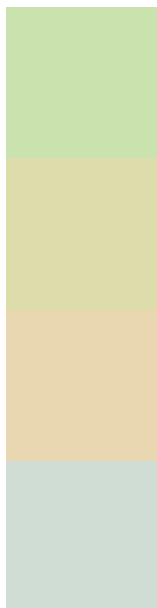




## Tritanopia

69.8426, 0.2961, 0.3103

# Trichromacy



## Original Color

69.8662, 0.3288, 0.3898

## Protanomaly

69.4988, 0.3470, 0.3842

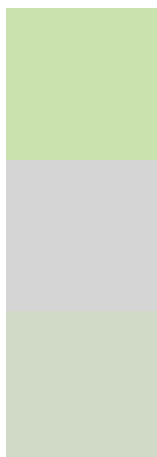
## Deuteranomaly

69.0988, 0.3532, 0.3707

## Tritanomaly

69.7824, 0.3081, 0.3380

# Monochromacy



## Original Color

69.8662, 0.3288, 0.3898

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.8216, 0.3189, 0.3507

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8662, 0.3288, 0.3898 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, 226, 174)` looks like.

```
.text, #text, p{  
    color:rgb(201, 226, 174)  
}
```

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, 226, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 226, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8662, 0.3288, 0.3898 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, 226, 174) }
```

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

```
.border{ border-color:rgb(201, 226, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 226, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 226, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 226, 174); box-shadow:4px 4px 4px 4px rgb(201, 226, 174) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8662, 0.3288, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 226, 174) }
```

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

```
.background{ background-color: rgb(201,  
226, 174) }
```

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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