

Converting Colors

Yxy(68.7080, 0.3194, 0.3729)

Have a look what the booklet for
Yxy(68.7080, 0.3194, 0.3729)
contains.

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Color

Yxy(68.9986, 0.3198, 0.3735)

Conversions

Conversions Part 1

Format	Color
Hex	C7E0BA
RGB	199, 224, 186
RGB Percent	78%, 88%, 73%
CMY	0.2195, 0.1216, 0.2706
CMYK	0.11, 0.00, 0.17, 0.12
HSL	99°, 38%, 80%
HSV	99°, 17%, 88%
XYZ	59.0783, 68.9986, 56.6583
YIQ	212.1930, -2.7020, -17.1180

Conversions

Conversions Part 2

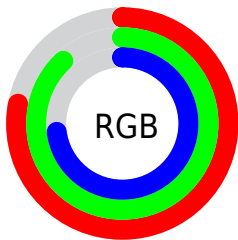
Format	Color
RYB	186, 224, 211
Decimal	13099194
CIELab	86.50, -15.11, 15.86
CIElCh	87, 21.911, 133.614
Yxy	68.9986, 0.3198, 0.3735
Android (android.graphics.Color)	4291289274 (0xFFC7E0BA)
YUV	212.1930, -12.9131, -11.5703
Hunter-Lab	83.0654, -18.4105, 17.7045

Details

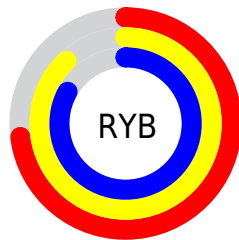
The Yxy color **68.9986, 0.3198, 0.3735** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **54.3434, 0.3043, 0.2858**, and the grayscale version is **66.0674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **36.0891, 0.3210, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **66.2052, 0.3236, 0.4030**, and if you desaturate by 10%, it is **72.1420, 0.3157, 0.3464**.

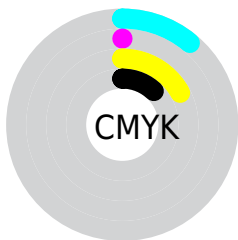
Distribution



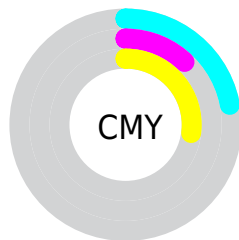
- Red (78%)
- Green (88%)
- Blue (73%)



- Red (73%)
- Yellow (88%)
- Blue (83%)



- Cyan (11%)
- Magenta (0%)
- Yellow (17%)
- Black (12%)




- Cyan (22%)
- Magenta (12%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9986, 0.3198, 0.3735 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 68.9986, 0.3198, 0.3735 by changing the saturation by 10% instead.

 68.9986, 0.3198,
0.3735

 68.9986, 0.3198,
0.3735


457.0260, 0.3168,
0.3522

 50.7106, 0.3204,
0.3786


 117.7796, 0.3188,
0.3659

 35.9783, 0.3212,
0.3849

149.0413, 0.3184,
0.3631

 24.4175, 0.3220,
0.3931


185.3964, 0.3180,
0.3606

 15.6436, 0.3230,
0.4041

227.2292, 0.3177,
0.3584

 9.2723, 0.3241,
0.4196

274.9242, 0.3174,
0.3566

 4.9192, 0.3251,
0.4429

328.8658, 0.3172,

 2.1999, 0.3252,

0.3549

0.4819

389.4382, 0.3170,
0.3535

0.7200, 0.3046,
0.6954

0.0000, 0.0000,
0.0000

68.9986, 0.3198,
0.3735

68.9986, 0.3198,
0.3735

66.2052, 0.3236,
0.4030

72.1420, 0.3157,
0.3464

63.7404, 0.3268,
0.4343

75.6382, 0.3114,
0.3218

61.5940, 0.3292,
0.4664

79.5013, 0.3072,
0.2999

59.7518, 0.3303,
0.4980

81.7895, 0.3141,
0.2989

■ 58.1982, 0.3298,
0.5271

■ 56.9165, 0.3277,
0.5520

■ 55.8872, 0.3239,
0.5710

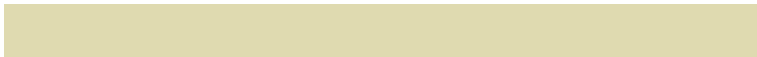
■ 55.0873, 0.3188,
0.5833

■ 54.8805, 0.3173,
0.5863

Harmonies

Analogous

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



68.9986, 0.3452, 0.3762



68.9986, 0.3198, 0.3735



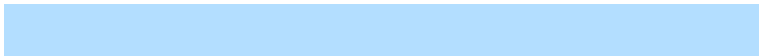
68.9986, 0.2933, 0.3572

Triad

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



68.9986, 0.3198, 0.3735



68.9986, 0.2651, 0.2910



68.9986, 0.3541, 0.3235

Complementary

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



68.9986, 0.3198, 0.3735



54.3434, 0.3043, 0.2858

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.



68.9986, 0.3311, 0.3030



68.9986, 0.3198, 0.3735



68.9986, 0.2799, 0.2844

Square

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



68.9986, 0.3198, 0.3735



68.9986, 0.2625, 0.3082



68.9986, 0.3038, 0.2890



68.9986, 0.3657, 0.3461

Rectangle

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



68.9986, 0.3198, 0.3735



68.9986, 0.2785, 0.3412



68.9986, 0.3038, 0.2890



68.9986, 0.3474, 0.3162

Sweetspot

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



69.0016, 0.3198, 0.3735



97.6516, 0.3149, 0.3414



65.8307, 0.3405, 0.3568



20.8329, 0.3152, 0.3432



0.0000, 0.0000, 0.0000



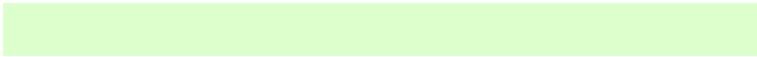
21.4041, 0.3127, 0.3290

Same Dimension

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



69.0016, 0.3198, 0.3735



91.3295, 0.3211, 0.3827



67.5413, 0.3070, 0.3677



15.5646, 0.3167, 0.3529



32.0028, 0.3183, 0.5855



2.2666, 0.3303, 0.5759

Inverse Universe

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



54.3434, 0.3043, 0.2858



68.4974, 0.3024, 0.2772



56.0426, 0.3190, 0.2932



13.6880, 0.3083, 0.3055



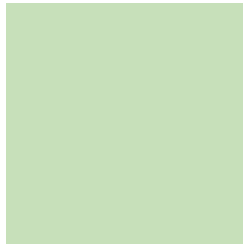
6.8179, 0.2364, 0.1076



0.5215, 0.2496, 0.1148

Previews

White Background



This preview shows how the Yxy color 68.9986, 0.3198, 0.3735 looks on a white background.

Color Contrast Check

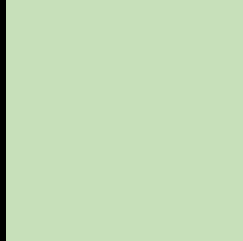
Large Text (above 18pt) WCAG AA × Fail

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 68.9986, 0.3198, 0.3735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

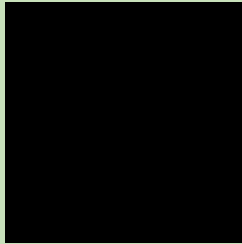
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

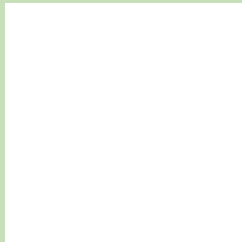
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9986, 0.3198, 0.3735

Background



This preview shows how black text looks on a background with the Yxy color 68.9986, 0.3198, 0.3735.

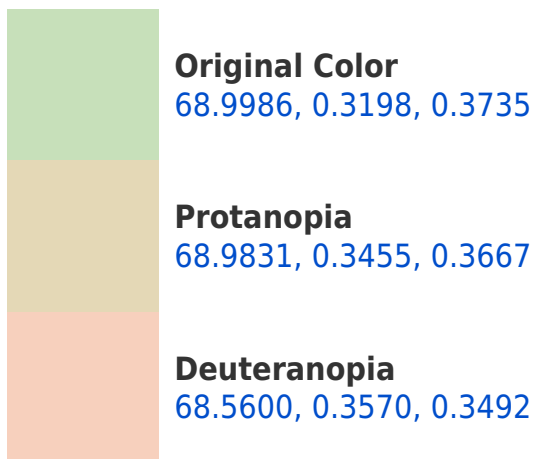


This preview shows how white text looks on a background with the Yxy color 68.9986, 0.3198, 0.3735.

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

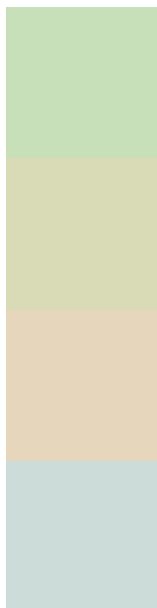




Tritanopia

68.8316, 0.2947, 0.3102

Trichromacy



Original Color

68.9986, 0.3198, 0.3735

Protanomaly

68.8336, 0.3358, 0.3698

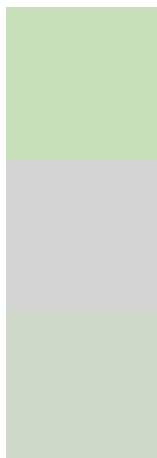
Deuteranomaly

68.5470, 0.3431, 0.3577

Tritanomaly

69.0335, 0.3034, 0.3324

Monochromacy



Original Color

68.9986, 0.3198, 0.3735

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.6889, 0.3149, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9986, 0.3198, 0.3735 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(199, 224, 186)` looks like.

```
.text, #text, p{  
    color:rgb(199, 224, 186)  
}
```

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(199, 224, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 224, 186) }
```

Border

The CSS property to change the border of an element to Yxy 68.9986, 0.3198, 0.3735 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(199, 224, 186) }
```

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

```
.border{ border-color:rgb(199, 224, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 224, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 224, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 224, 186);  
box-shadow:4px 4px 4px 4px rgb(199, 224,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9986, 0.3198, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 224, 186) }
```

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

```
.background{ background-color: rgb(199,  
224, 186) }
```

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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