

Converting Colors

$Yxy(70.0940, 0.3119, 0.3599)$

Have a look what the booklet for
Yxy(70.0940, 0.3119, 0.3599)
contains.

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Color

Yxy(70.0698, 0.3119, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	C7E1C6
RGB	199, 225, 198
RGB Percent	78%, 88%, 78%
CMY	0.2199, 0.1176, 0.2236
CMYK	0.12, 0.00, 0.12, 0.12
HSL	118°, 31%, 83%
HSV	118°, 12%, 88%
XYZ	60.6571, 70.0698, 63.7493
YIQ	214.1480, -6.8290, -13.9090

Conversions

Conversions Part 2

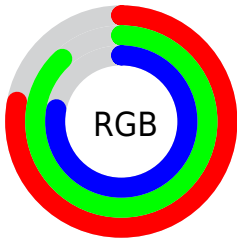
Format	Color
RYB	198, 225, 224
Decimal	13099462
CIELab	87.03, -13.62, 10.32
CIElCh	87, 17.092, 142.838
Yxy	70.0698, 0.3119, 0.3603
Android (android.graphics.Color)	4291289542 (0xFFC7E1C6)
YUV	214.1480, -7.9610, -13.2848
Hunter-Lab	83.7077, -17.1420, 13.4419

Details

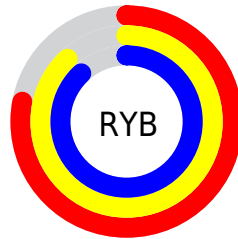
The Yxy color **70.0698, 0.3119, 0.3603** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.6839, 0.3134, 0.2994**, and the grayscale version is **67.4021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7828, 0.3117, 0.3689** is the 20% darker color. If you saturate the color by 10%, you get **66.3494, 0.3110, 0.3901**, and if you desaturate by 10%, it is **74.3745, 0.3126, 0.3339**.

Distribution



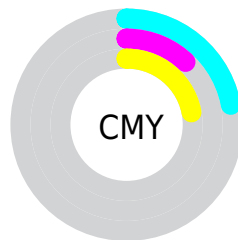
- Red (78%)
- Green (88%)
- Blue (78%)



- Red (78%)
- Yellow (88%)
- Blue (88%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0698, 0.3119, 0.3603 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 70.0698, 0.3119, 0.3603 by changing the saturation by 10% instead.


 70.0698, 0.3119,
0.3603

 70.0698, 0.3119,
0.3603

460.7950, 0.3124,
0.3454

 51.5834, 0.3117,
0.3638


119.3083, 0.3121,
0.3550

 36.6731, 0.3115,
0.3682


150.8292, 0.3122,
0.3530

 24.9545, 0.3112,
0.3739


187.4638, 0.3123,
0.3513

 16.0432, 0.3107,
0.3814

229.5964, 0.3123,
0.3498

 9.5547, 0.3099,
0.3921

277.6114, 0.3123,
0.3485

 5.1047, 0.3085,
0.4081

331.8933, 0.3124,

 2.3088, 0.3056,

0.3473

0.4347

392.8263, 0.3124,
0.3463

0.7784, 0.3106,
0.5936

0.0000, 0.0000,
0.0000

70.0698, 0.3119,
0.3603

70.0698, 0.3119,
0.3603

66.3494, 0.3110,
0.3901

74.3745, 0.3126,
0.3339

63.1797, 0.3099,
0.4230

79.2777, 0.3131,
0.3109

60.5371, 0.3086,
0.4581

82.3430, 0.3141,
0.3000

58.3932, 0.3072,
0.4938

■ 56.7166, 0.3056,
0.5278

■ 55.4724, 0.3039,
0.5573

■ 54.6210, 0.3024,
0.5798

■ 54.1153, 0.3012,
0.5938

■ 53.9134, 0.3006,
0.5995

Harmonies

Analogous

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



70.0698, 0.3325, 0.3660



70.0698, 0.3119, 0.3603



70.0698, 0.2920, 0.3453

Triad

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



70.0698, 0.3119, 0.3603



70.0698, 0.2781, 0.2969



70.0698, 0.3487, 0.3304

Complementary

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



70.0698, 0.3119, 0.3603



61.6839, 0.3134, 0.2994

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.



70.0698, 0.3332, 0.3133



70.0698, 0.3119, 0.3603



70.0698, 0.2924, 0.2942

Square

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



70.0698, 0.3119, 0.3603



70.0698, 0.2730, 0.3082



70.0698, 0.3125, 0.3002



70.0698, 0.3541, 0.3478

Rectangle

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



70.0698, 0.3119, 0.3603



70.0698, 0.2818, 0.3325



70.0698, 0.3125, 0.3002



70.0698, 0.3444, 0.3245

Sweetspot

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



70.0728, 0.3119, 0.3603



97.5405, 0.3125, 0.3389



73.2233, 0.3308, 0.3571



20.7818, 0.3124, 0.3409



0.0000, 0.0000, 0.0000



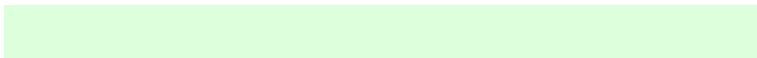
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0728, 0.3119, 0.3603



91.9502, 0.3117, 0.3662



70.5290, 0.3035, 0.3460



15.3598, 0.3121, 0.3532



31.0705, 0.3008, 0.5994



2.1618, 0.3031, 0.5975

Inverse Universe

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



61.6839, 0.3134, 0.2994



79.0655, 0.3135, 0.2942



61.1938, 0.3230, 0.3126



13.9101, 0.3132, 0.3059



11.6612, 0.3123, 0.1494



0.8160, 0.3137, 0.1502

Previews

White Background



This preview shows how the Yxy color 70.0698, 0.3119, 0.3603 looks on a white background.

Color Contrast Check

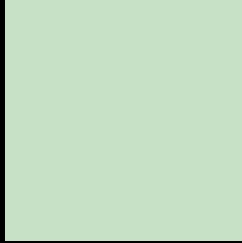
Large Text (above 18pt) WCAG AA × Fail

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 70.0698, 0.3119, 0.3603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

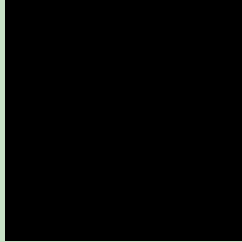
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

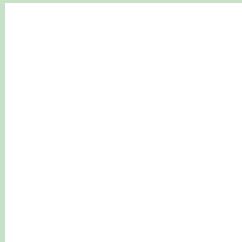
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0698, 0.3119, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 70.0698, 0.3119, 0.3603.

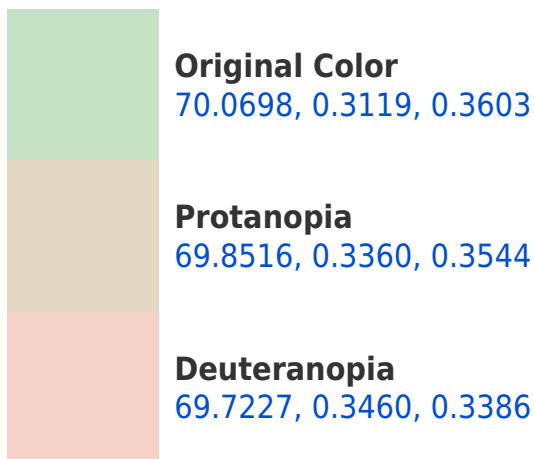


This preview shows how white text looks on a background with the Yxy color 70.0698, 0.3119, 0.3603.

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

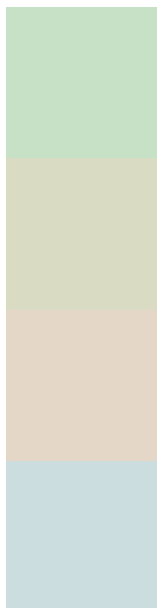




Tritanopia

69.7566, 0.2916, 0.3091

Trichromacy



Original Color

70.0698, 0.3119, 0.3603

Protanomaly

69.8782, 0.3274, 0.3571

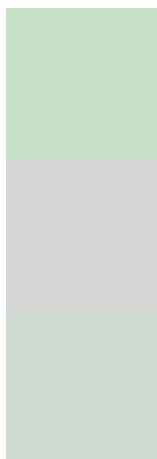
Deuteranomaly

69.2650, 0.3328, 0.3455

Tritanomaly

69.7371, 0.2989, 0.3267

Monochromacy



Original Color

70.0698, 0.3119, 0.3603

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.2522, 0.3129, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0698, 0.3119, 0.3603 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, 225, 198)` looks like.

```
.text, #text, p{  
    color:rgb(199, 225, 198)  
}
```

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, 225, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 225, 198) }
```

Border

The CSS property to change the border of an element to Yxy 70.0698, 0.3119, 0.3603 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, 225, 198) }
```

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

```
.border{ border-color:rgb(199, 225, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 225, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 225, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 225, 198);  
box-shadow:4px 4px 4px 4px rgb(199, 225,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0698, 0.3119, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 225, 198) }
```

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

```
.background{ background-color: rgb(199,  
225, 198) }
```

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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