

Converting Colors

$Yxy(71.1919, 0.3330, 0.3990)$

Have a look what the booklet for
Yxy(71.1919, 0.3330, 0.3990)
contains.

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Color

Yxy(70.8705, 0.3331, 0.3989)

Conversions

Conversions Part 1

Format	Color
Hex	CAE4A8
RGB	202, 228, 168
RGB Percent	79%, 89%, 66%
CMY	0.2076, 0.1059, 0.3411
CMYK	0.11, 0.00, 0.26, 0.11
HSL	86°, 53%, 78%
HSV	86°, 26%, 89%
XYZ	59.1802, 70.8705, 47.6142
YIQ	213.3860, 3.7640, -24.1720

Conversions

Conversions Part 2

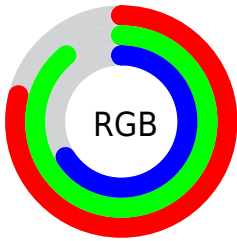
Format	Color
RYB	168, 228, 194
Decimal	13296808
CIELab	87.42, -18.83, 26.51
CIELCh	87, 32.515, 125.387
Yxy	70.8705, 0.3331, 0.3989
Android (android.graphics.Color)	4291486888 (0xFFCAE4A8)
YUV	213.3860, -22.3753, -9.9855
Hunter-Lab	84.1846, -21.8410, 25.3953

Details

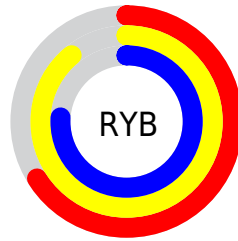
The Yxy color **70.8705, 0.3331, 0.3989** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.0767, 0.2875, 0.2579**, and the grayscale version is **66.9704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **37.3511, 0.3362, 0.4168** is the 20% darker color. If you saturate the color by 10%, you get **68.7645, 0.3401, 0.4279**, and if you desaturate by 10%, it is **73.2196, 0.3255, 0.3709**.

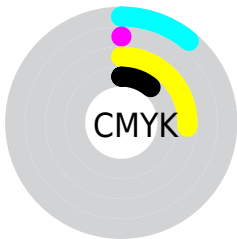
Distribution



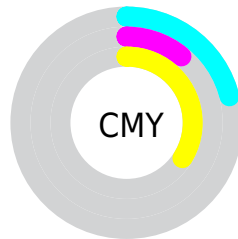
- Red (79%)
- Green (89%)
- Blue (66%)



- Red (66%)
- Yellow (89%)
- Blue (76%)



- Cyan (11%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)





- Cyan (21%)
- Magenta (11%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8705, 0.3331, 0.3989 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 70.8705, 0.3331, 0.3989 by changing the saturation by 10% instead.


 70.8705, 0.3331,
0.3989


 70.8705, 0.3331,
0.3989


463.6006, 0.3243,
0.3654

 52.2365, 0.3349,
0.4068

 120.4493, 0.3302,
0.3871

 37.1936, 0.3370,
0.4167


 152.1629, 0.3290,
0.3825

 25.3575, 0.3395,
0.4294


189.0052, 0.3280,
0.3786

 16.3436, 0.3424,
0.4463

231.3606, 0.3271,
0.3753

 9.7676, 0.3456,
0.4697

279.6134, 0.3263,
0.3723

 5.2451, 0.3484,
0.5038

334.1481, 0.3255,

 2.3918, 0.3614,

0.3697

0.5789

395.3490, 0.3249,
0.3674

0.8217, 0.2811,
0.7189

0.0000, 0.0000,
0.0000

70.8705, 0.3331,
0.3989

70.8705, 0.3331,
0.3989

68.7645, 0.3401,
0.4279

73.2196, 0.3255,
0.3709

66.8829, 0.3462,
0.4571

75.8112, 0.3176,
0.3446

65.2187, 0.3507,
0.4852


78.6569, 0.3099,
0.3203

63.7606, 0.3533,
0.5108


81.4899, 0.3049,
0.3021


 62.4964, 0.3536,
0.5325

 83.2772, 0.3115,
0.3027

 61.4117, 0.3515,
0.5493

 83.9618, 0.3139,
0.3029

 60.4891, 0.3472,
0.5606

 60.1791, 0.3454,
0.5640

Harmonies

Analogous

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



70.8705, 0.3683, 0.3956



70.8705, 0.3331, 0.3989



70.8705, 0.2939, 0.3798

Triad

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



70.8705, 0.3331, 0.3989



70.8705, 0.2412, 0.2784



70.8705, 0.3658, 0.3118

Complementary

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



70.8705, 0.3331, 0.3989



45.0767, 0.2875, 0.2579

Split Complementary

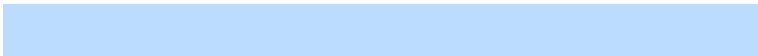
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.8705, 0.3284, 0.2850



70.8705, 0.3331, 0.3989



70.8705, 0.2576, 0.2655

Square

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



70.8705, 0.3331, 0.3989



70.8705, 0.2424, 0.3065



70.8705, 0.2888, 0.2684



70.8705, 0.3885, 0.3437

Rectangle

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



70.8705, 0.3331, 0.3989



70.8705, 0.2707, 0.3572



70.8705, 0.2888, 0.2684



70.8705, 0.3544, 0.3021

Sweetspot

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



70.8736, 0.3331, 0.3989



97.1199, 0.3190, 0.3490



57.4634, 0.3618, 0.3576



20.6768, 0.3202, 0.3530



0.0000, 0.0000, 0.0000



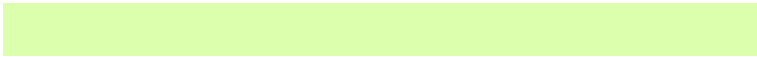
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8736, 0.3331, 0.3989



89.7228, 0.3373, 0.4159



67.1958, 0.3126, 0.4035



16.4907, 0.3201, 0.3527



34.8241, 0.3464, 0.5632



2.6280, 0.3567, 0.5550

Inverse Universe

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



45.0767, 0.2875, 0.2579



50.7712, 0.2805, 0.2402



49.3000, 0.3116, 0.2628



14.1904, 0.3048, 0.3052



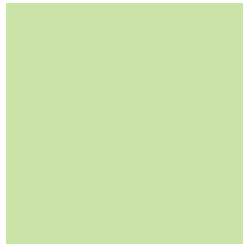
4.8206, 0.1901, 0.0821



0.4102, 0.2065, 0.0911

Previews

White Background



This preview shows how the Yxy color 70.8705, 0.3331, 0.3989 looks on a white background.

Color Contrast Check

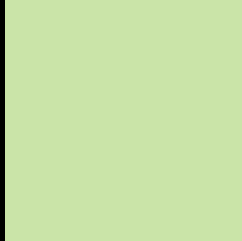
Large Text (above 18pt) WCAG AA × Fail

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 70.8705, 0.3331, 0.3989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

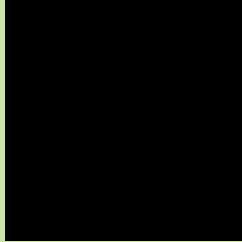
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8705, 0.3331, 0.3989

Background



This preview shows how black text looks on a background with the Yxy color 70.8705, 0.3331, 0.3989.

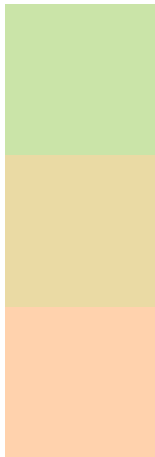


This preview shows how white text looks on a background with the Yxy color 70.8705, 0.3331, 0.3989.

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

70.8705, 0.3331, 0.3989

Protanopia

70.3156, 0.3625, 0.3879

Deuteranopia

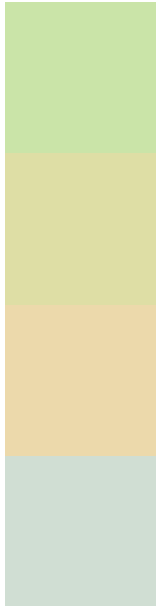
70.3703, 0.3750, 0.3674



Tritanopia

70.7162, 0.2969, 0.3105

Trichromacy



Original Color

70.8705, 0.3331, 0.3989

Protanomaly

70.4888, 0.3514, 0.3929

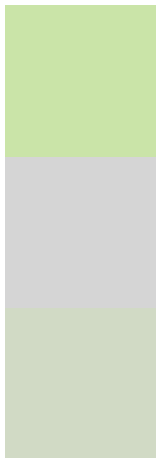
Deuteranomaly

70.3988, 0.3594, 0.3790

Tritanomaly

70.3556, 0.3100, 0.3414

Monochromacy



Original Color

70.8705, 0.3331, 0.3989

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.7293, 0.3203, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8705, 0.3331, 0.3989 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(202, 228, 168)` looks like.

```
.text, #text, p{  
    color:rgb(202, 228, 168)  
}
```

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(202, 228, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 228, 168) }
```

Border

The CSS property to change the border of an element to Yxy 70.8705, 0.3331, 0.3989 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(202, 228, 168) }
```

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

```
.border{ border-color:rgb(202, 228, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 228, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 228, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 228, 168);  
box-shadow:4px 4px 4px 4px rgb(202, 228,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8705, 0.3331, 0.3989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 228, 168) }
```

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

```
.background{ background-color: rgb(202,  
228, 168) }
```

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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