

# Converting Colors

$Yxy(71.0620, 0.3487, 0.3969)$

Have a look what the booklet for  
Yxy(71.0620, 0.3487, 0.3969)  
contains.

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# Color

**Yxy(70.8971, 0.3485, 0.3968)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAE0A4
RGB	218, 224, 164
RGB Percent	85%, 88%, 64%
CMY	0.1451, 0.1215, 0.3570
CMYK	0.03, 0.00, 0.27, 0.12
HSL	66°, 49%, 76%
HSV	66°, 27%, 88%
XYZ	62.2672, 70.8971, 45.5078
YIQ	215.3660, 15.6840, -19.9320

# Conversions

## Conversions Part 2

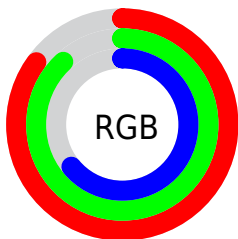
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 224, 170
Decimal	14344356
CIELab	87.43, -11.59, 28.80
CIELCh	87, 31.046, 111.914
Yxy	70.8971, 0.3485, 0.3968
Android (android.graphics.Color)	4292534436 (0xFFDAE0A4)
YUV	215.3660, -25.3234, 2.3100
Hunter-Lab	84.2004, -15.3478, 26.8958

# Details

The Yxy color **70.8971, 0.3485, 0.3968** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.4645, 0.2709, 0.2532**, and the grayscale version is **68.3831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **37.2272, 0.3554, 0.4133** is the 20% darker color. If you saturate the color by 10%, you get **69.8178, 0.3615, 0.4223**, and if you desaturate by 10%, it is **72.1299, 0.3351, 0.3710**.

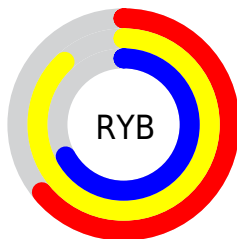
# Distribution



Red (85%)

Green (88%)

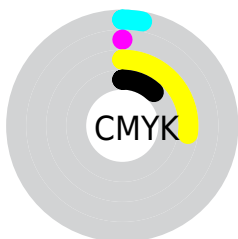
Blue (64%)



Red (64%)

Yellow (88%)

Blue (67%)

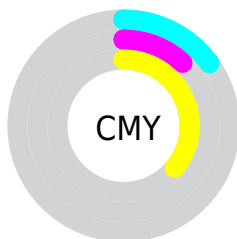


Cyan (3%)

Magenta (0%)

Yellow (27%)

Black (12%)



Cyan (15%)

Magenta (12%)


Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8971, 0.3485, 0.3968 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 70.8971, 0.3485, 0.3968 by changing the saturation by 10% instead.





 70.8971, 0.3485,  
0.3968

 70.8971, 0.3485,  
0.3968


463.6936, 0.3324,  
0.3647

 52.2582, 0.3520,  
0.4042


 120.4872, 0.3430,  
0.3856

 37.2109, 0.3562,  
0.4135

 152.2072, 0.3409,  
0.3812

 25.3709, 0.3614,  
0.4252


189.0564, 0.3390,  
0.3775

 16.3536, 0.3677,  
0.4405

231.4191, 0.3374,  
0.3743

 9.7747, 0.3756,  
0.4613

279.6798, 0.3359,  
0.3714

 5.2498, 0.3849,  
0.4906

334.2229, 0.3346,

 2.3946, 0.4162,

0.3689

0.5631

395.4327, 0.3335,  
0.3667

0.8231, 0.3777,  
0.6223

0.0000, 0.0000,  
0.0000

70.8971, 0.3485,  
0.3968

70.8971, 0.3485,  
0.3968

69.8178, 0.3615,  
0.4223

72.1299, 0.3351,  
0.3710

68.8751, 0.3734,  
0.4466

73.5137, 0.3217,  
0.3457

68.0639, 0.3838,  
0.4686

75.0582, 0.3086,  
0.3214

67.3752, 0.3920,  
0.4873

76.7694, 0.2961,  
0.2986

■ 66.7987, 0.3978,  
0.5019

■ 77.2280, 0.2968,  
0.2973

■ 66.3224, 0.4010,  
0.5120

■ 77.5996, 0.2982,  
0.2974

■ 65.9310, 0.4017,  
0.5179

■ 77.9760, 0.2997,  
0.2976

■ 65.8154, 0.4016,  
0.5193

■ 78.3572, 0.3012,  
0.2977

■ 78.7432, 0.3027,  
0.2979

# Harmonies

## Analogous

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



70.8971, 0.3770, 0.3852



70.8971, 0.3485, 0.3968



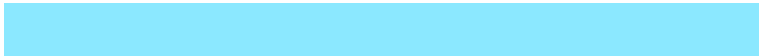
70.8971, 0.3114, 0.3881

# Triad

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



70.8971, 0.3485, 0.3968



70.8971, 0.2426, 0.2912



70.8971, 0.3484, 0.3001

# Complementary

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



70.8971, 0.3485, 0.3968



40.4645, 0.2709, 0.2532

# Split Complementary

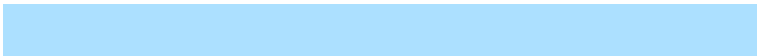
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.8971, 0.3104, 0.2782



70.8971, 0.3485, 0.3968



70.8971, 0.2510, 0.2719

# Square

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



70.8971, 0.3485, 0.3968



70.8971, 0.2515, 0.3233



70.8971, 0.2750, 0.2679



70.8971, 0.3776, 0.3293



# Rectangle

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



70.8971, 0.3485, 0.3968



70.8971, 0.2871, 0.3710



70.8971, 0.2750, 0.2679



70.8971, 0.3361, 0.2918

# Sweetspot

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



70.9003, 0.3485, 0.3968



98.3699, 0.3233, 0.3488



47.2662, 0.3686, 0.3362



20.9930, 0.3254, 0.3526



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.



70.9003, 0.3485, 0.3968



94.2966, 0.3556, 0.4107



66.6841, 0.3260, 0.4020



15.9562, 0.3252, 0.3523



38.3349, 0.4019, 0.5191



2.6776, 0.4048, 0.5168



# Inverse Universe

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



40.4645, 0.2709, 0.2532



47.1531, 0.2608, 0.2353



44.1994, 0.2953, 0.2583



13.3086, 0.2996, 0.3049



3.2575, 0.1535, 0.0619

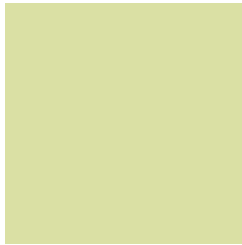


0.2484, 0.1625, 0.0669



# Previews

## White Background



This preview shows how the Yxy color 70.8971, 0.3485, 0.3968 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 70.8971, 0.3485, 0.3968 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

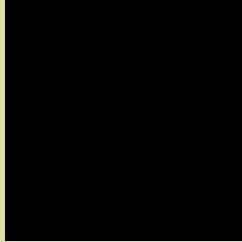
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.8971, 0.3485, 0.3968**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.8971, 0.3485, 0.3968.

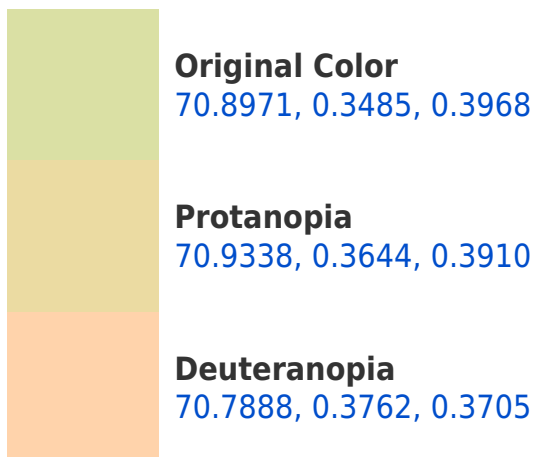


This preview shows how white text looks on a background with the Yxy color 70.8971, 0.3485, 0.3968.

# 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

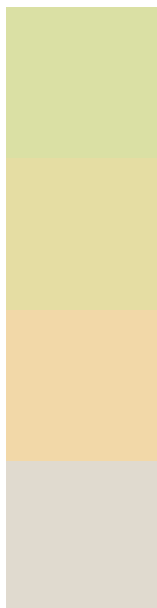




## Tritanopia

70.7580, 0.3100, 0.3109

# Trichromacy



## Original Color

70.8971, 0.3485, 0.3968

## Protanomaly

71.0153, 0.3584, 0.3929

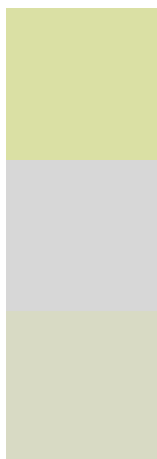
## Deuteranomaly

70.8161, 0.3665, 0.3804

## Tritanomaly

70.4951, 0.3245, 0.3411

# Monochromacy



## Original Color

70.8971, 0.3485, 0.3968

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.7273, 0.3262, 0.3538

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.8971, 0.3485, 0.3968 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(218, 224, 164)` looks like.

```
.text, #text, p{  
    color:rgb(218, 224, 164)  
}
```

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(218, 224, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 224, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 70.8971, 0.3485, 0.3968 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(218, 224, 164) }
```

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

```
.border{ border-color:rgb(218, 224, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 224, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 224, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 224, 164);  
box-shadow:4px 4px 4px 4px rgb(218, 224,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.8971, 0.3485, 0.3968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 224, 164) }
```

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

```
.background{ background-color: rgb(218,  
224, 164) }
```

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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