

# Converting Colors

$Y_{xy}(70.7269, 0.3378, 0.3910)$

Have a look what the booklet for  
Yxy(70.7269, 0.3378, 0.3910)  
contains.

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# Color

**Yxy(70.6396, 0.3383, 0.3909)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3E1AB
RGB	211, 225, 171
RGB Percent	83%, 88%, 67%
CMY	0.1726, 0.1176, 0.3294
CMYK	0.06, 0.00, 0.24, 0.12
HSL	76°, 47%, 78%
HSV	76°, 24%, 88%
XYZ	61.1342, 70.6396, 48.9363
YIQ	214.6580, 8.9900, -19.7620

# Conversions

## Conversions Part 2

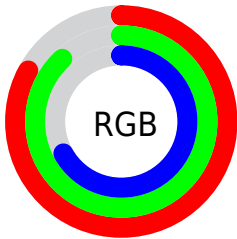
Format	Color
<a href="#">RYB</a>	<a href="#">171, 225, 185</a>
Decimal	<a href="#">13885867</a>
CIELab	<a href="#">87.31, -13.70, 24.92</a>
CIElCh	<a href="#">87, 28.437, 118.792</a>
Yxy	<a href="#">70.6396, 0.3383, 0.3909</a>
Android (android.graphics.Color)	<a href="#">4292075947</a> ( <a href="#">0xFFD3E1AB</a> )
YUV	<a href="#">214.6580, -21.5234, -3.2081</a>
Hunter-Lab	<a href="#">84.0474, -17.2458, 24.3117</a>

# Details

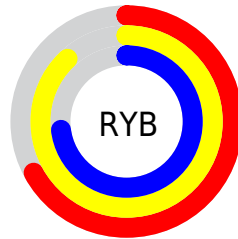
The Yxy color **70.6396, 0.3383, 0.3909** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.8779, 0.2827, 0.2633**, and the grayscale version is **67.8544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **37.1254, 0.3441, 0.4074** is the 20% darker color. If you saturate the color by 10%, you get **69.0087, 0.3485, 0.4181**, and if you desaturate by 10%, it is **72.4542, 0.3276, 0.3642**.

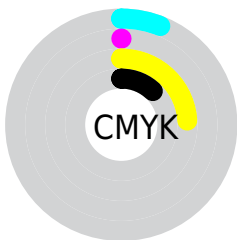
# Distribution



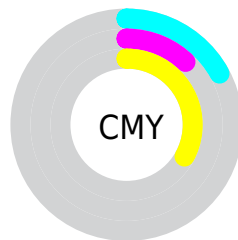
- Red (83%)
- Green (88%)
- Blue (67%)



- Red (67%)
- Yellow (88%)
- Blue (73%)



- Cyan (6%)
- Magenta (0%)
- Yellow (24%)
- Black (12%)




- Cyan (17%)
- Magenta (12%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6396, 0.3383, 0.3909 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 70.6396, 0.3383, 0.3909 by changing the saturation by 10% instead.





 70.6396, 0.3383,  
0.3909

 70.6396, 0.3383,  
0.3909


462.7926, 0.3269,  
0.3614

 52.0481, 0.3408,  
0.3978


 120.1204, 0.3344,  
0.3805

 37.0434, 0.3438,  
0.4064


151.7786, 0.3329,  
0.3765

 25.2411, 0.3474,  
0.4174


188.5611, 0.3316,  
0.3731

 16.2568, 0.3518,  
0.4320

230.8523, 0.3304,  
0.3702

 9.7061, 0.3573,  
0.4521

279.0367, 0.3294,  
0.3676

 5.2045, 0.3639,  
0.4812

333.4986, 0.3284,

 2.3677, 0.3805,

0.3653

0.5409

394.6224, 0.3276,  
0.3632

0.8092, 0.3495,  
0.6505

0.0000, 0.0000,  
0.0000

70.6396, 0.3383,  
0.3909

70.6396, 0.3383,  
0.3909

69.0087, 0.3485,  
0.4181

72.4542, 0.3276,  
0.3642

67.5444, 0.3579,  
0.4450

74.4504, 0.3169,  
0.3388

66.2415, 0.3659,  
0.4705

76.6380, 0.3065,  
0.3149

65.0907, 0.3719,  
0.4935

78.6310, 0.3002,  
0.2987

■ 64.0819, 0.3755,  
0.5127

■ 79.6389, 0.3041,  
0.2990

■ 63.2029, 0.3766,  
0.5275

■ 80.6799, 0.3080,  
0.2994

■ 62.4395, 0.3752,  
0.5374

■ 81.7541, 0.3120,  
0.2997

■ 62.0238, 0.3735,  
0.5416

■ 82.3372, 0.3141,  
0.2999

# Harmonies

## Analogous

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



70.6396, 0.3670, 0.3845



70.6396, 0.3383, 0.3909



70.6396, 0.3038, 0.3783

# Triad

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



70.6396, 0.3383, 0.3909



70.6396, 0.2485, 0.2892



70.6396, 0.3527, 0.3082

# Complementary

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



70.6396, 0.3383, 0.3909



44.8779, 0.2827, 0.2633

# Split Complementary

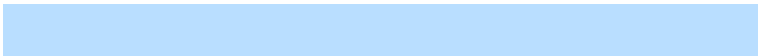
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.6396, 0.3188, 0.2860



70.6396, 0.3383, 0.3909



70.6396, 0.2597, 0.2744

# Square

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



70.6396, 0.3383, 0.3909



70.6396, 0.2531, 0.3165



70.6396, 0.2849, 0.2737



70.6396, 0.3761, 0.3361



# Rectangle

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



70.6396, 0.3383, 0.3909



70.6396, 0.2823, 0.3606



70.6396, 0.2849, 0.2737



70.6396, 0.3421, 0.2999

# Sweetspot

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



70.6427, 0.3383, 0.3909



98.0342, 0.3202, 0.3464



53.4378, 0.3590, 0.3448



20.9483, 0.3208, 0.3479



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

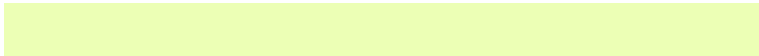


# Same Dimension

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



70.6427, 0.3383, 0.3909



92.6546, 0.3437, 0.4050



67.0491, 0.3189, 0.3948



15.8410, 0.3227, 0.3524



35.7955, 0.3742, 0.5411



2.5235, 0.3815, 0.5353



# Inverse Universe

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



44.8779, 0.2827, 0.2633



52.6038, 0.2748, 0.2472



48.4841, 0.3042, 0.2674



13.4146, 0.3021, 0.3050



3.7069, 0.1658, 0.0687

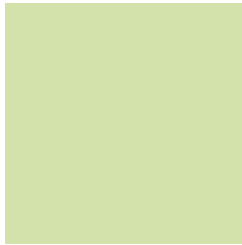


0.2996, 0.1817, 0.0774



# Previews

## White Background



This preview shows how the Yxy color 70.6396, 0.3383, 0.3909 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

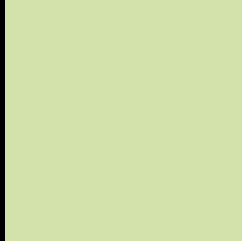
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.6396, 0.3383, 0.3909 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

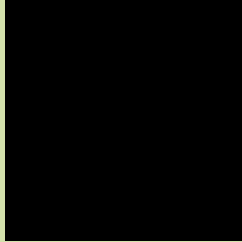
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

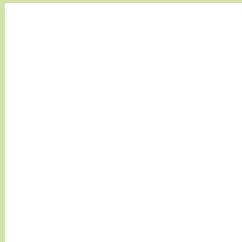
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.6396, 0.3383, 0.3909**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6396, 0.3383, 0.3909.

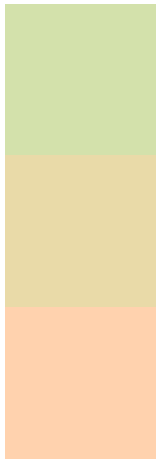


This preview shows how white text looks on a background with the Yxy color 70.6396, 0.3383, 0.3909.

# 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

70.6396, 0.3383, 0.3909

### Protanopia

70.2936, 0.3589, 0.3837

### Deuteranopia

70.4092, 0.3743, 0.3664



## Tritanopia

70.7819, 0.3037, 0.3107

# Trichromacy



**Original Color**

70.6396, 0.3383, 0.3909

**Protanomaly**

70.5850, 0.3512, 0.3869

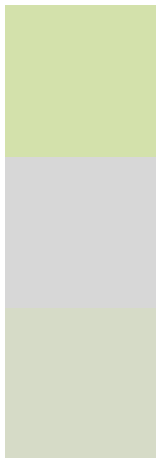
**Deuteranomaly**

69.9687, 0.3608, 0.3744

**Tritanomaly**

70.6413, 0.3165, 0.3390

# Monochromacy



**Original Color**

70.6396, 0.3383, 0.3909

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

69.0827, 0.3225, 0.3516

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6396, 0.3383, 0.3909 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(211, 225, 171)` looks like.

```
.text, #text, p{  
    color:rgb(211, 225, 171)  
}
```

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(211, 225, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 225, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6396, 0.3383, 0.3909 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(211, 225, 171) }
```

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

```
.border{ border-color:rgb(211, 225, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 225, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 225, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 225, 171);  
box-shadow:4px 4px 4px 4px rgb(211, 225,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6396, 0.3383, 0.3909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 225, 171) }
```

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

```
.background{ background-color: rgb(211,  
225, 171) }
```

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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