

# Converting Colors

$Yxy(70.6271, 0.3475, 0.4277)$

Have a look what the booklet for  
Yxy(70.6271, 0.3475, 0.4277)  
contains.

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# Color

**Yxy(70.6088, 0.3479, 0.4279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAE590
RGB	202, 229, 144
RGB Percent	79%, 90%, 56%
CMY	0.2079, 0.1019, 0.4352
CMYK	0.12, 0.00, 0.37, 0.10
HSL	79°, 62%, 73%
HSV	79°, 37%, 90%
XYZ	57.4078, 70.6088, 36.9958
YIQ	211.2370, 11.1930, -32.1590

# Conversions

## Conversions Part 2

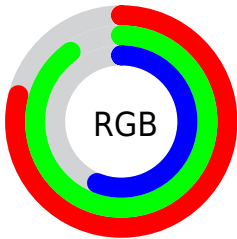
Format	Color
<b>RYB</b>	144, 229, 171
Decimal	13297040
CIELab	87.29, -22.59, 38.53
CIELCh	87, 44.665, 120.375
Yxy	70.6088, 0.3479, 0.4279
Android (android.graphics.Color)	4291487120 (0xFFCAE590)
YUV	211.2370, -33.1478, -8.1008
Hunter-Lab	84.0290, -25.1014, 32.7165

# Details

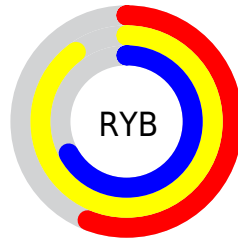
The Yxy color **70.6088, 0.3479, 0.4279** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.2736, 0.2661, 0.2229**, and the grayscale version is **65.5248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9035, 0.3460, 0.3840**, and **36.8629, 0.3548, 0.4524** is the 20% darker color. If you saturate the color by 10%, you get **68.9891, 0.3558, 0.4554**, and if you desaturate by 10%, it is **72.4247, 0.3389, 0.4000**.

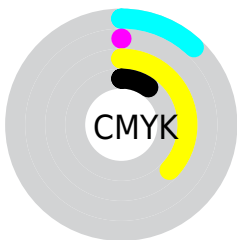
# Distribution



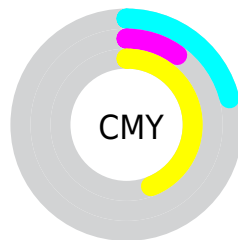
- Red (79%)
- Green (90%)
- Blue (56%)



- Red (56%)
- Yellow (90%)
- Blue (67%)



- Cyan (12%)
- Magenta (0%)
- Yellow (37%)
- Black (10%)




- Cyan (21%)
- Magenta (10%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6088, 0.3479, 0.4279 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 70.6088, 0.3479, 0.4279 by changing the saturation by 10% instead.



 70.6088, 0.3479,  
0.4279

 70.6088, 0.3479,  
0.4279


462.6847, 0.3330,  
0.3805

 52.0230, 0.3508,  
0.4390


 120.0765, 0.3431,  
0.4112

 37.0234, 0.3541,  
0.4528


 151.7273, 0.3411,  
0.4048

 25.2256, 0.3578,  
0.4703


188.5018, 0.3394,  
0.3993

 16.2452, 0.3616,  
0.4931

230.7845, 0.3378,  
0.3945

 9.6979, 0.3648,  
0.5236

278.9597, 0.3364,  
0.3903

 5.1991, 0.3667,  
0.5682


333.4119, 0.3352,

 2.3645, 0.3625,


0.3866


0.6375


394.5254, 0.3340,  
0.3834

 0.8076, 0.2112,  
0.7888

 0.0000, 0.0000,  
0.0000

 70.6088, 0.3479,  
0.4279


 70.6088, 0.3479,  
0.4279


 68.9891, 0.3558,  
0.4554


 72.4247, 0.3389,  
0.4000

 67.5470, 0.3622,  
0.4813


 74.4360, 0.3293,  
0.3727

 66.2754, 0.3665,  
0.5044

 76.6539, 0.3196,  
0.3466

 65.1626, 0.3684,  
0.5235


 79.0857, 0.3100,  
0.3221


 64.1953, 0.3677,  
0.5379


 81.5094, 0.3028,  
0.3030

 63.3562, 0.3647,  
0.5473

 82.7984, 0.3076,  
0.3034

 63.1297, 0.3636,  
0.5495

 84.1390, 0.3125,  
0.3038

 84.5237, 0.3139,  
0.3039

# Harmonies

## Analogous

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



70.6088, 0.3942, 0.4155



70.6088, 0.3479, 0.4279



70.6088, 0.2945, 0.4074

# Triad

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



70.6088, 0.3479, 0.4279



70.6088, 0.2157, 0.2643



70.6088, 0.3780, 0.2985

# Complementary

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



70.6088, 0.3479, 0.4279



34.2736, 0.2661, 0.2229

# 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.



70.6088, 0.3242, 0.2654



70.6088, 0.3479, 0.4279



70.6088, 0.2332, 0.2449

# Square

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



70.6088, 0.3479, 0.4279



70.6088, 0.2207, 0.3047



70.6088, 0.2714, 0.2462



70.6088, 0.4141, 0.3397



# Rectangle

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



70.6088, 0.3479, 0.4279



70.6088, 0.2621, 0.3769



70.6088, 0.2714, 0.2462



70.6088, 0.3611, 0.2863

# Sweetspot

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



70.6119, 0.3479, 0.4279



96.6705, 0.3234, 0.3567



47.7744, 0.3915, 0.3604



20.6086, 0.3248, 0.3603



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

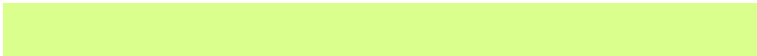


# Same Dimension

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



70.6119, 0.3479, 0.4279



88.4047, 0.3545, 0.4504



65.4905, 0.3176, 0.4381



16.5754, 0.3219, 0.3526



36.1584, 0.3644, 0.5488



2.7212, 0.3726, 0.5423



# Inverse Universe

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



34.2736, 0.2661, 0.2229



35.3662, 0.2531, 0.1965



39.8205, 0.3030, 0.2334



14.1085, 0.3030, 0.3051



4.0974, 0.1727, 0.0725

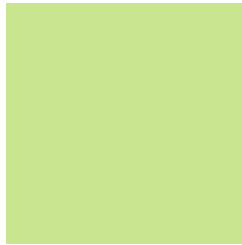


0.3511, 0.1885, 0.0812



# Previews

## White Background



This preview shows how the Yxy color 70.6088, 0.3479, 0.4279 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 70.6088, 0.3479, 0.4279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

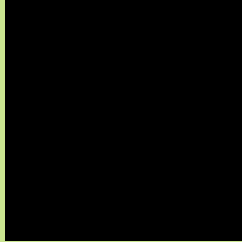
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.6088, 0.3479, 0.4279**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6088, 0.3479, 0.4279.



This preview shows how white text looks on a background with the Yxy color 70.6088, 0.3479, 0.4279.

# 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

70.6088, 0.3479, 0.4279

### Protanopia

70.2134, 0.3823, 0.4125

### Deuteranopia

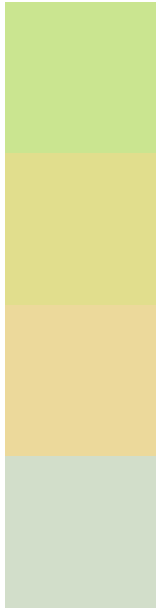
69.9618, 0.3833, 0.3787



## Tritanopia

70.4371, 0.2989, 0.3105

# Trichromacy



**Original Color**

70.6088, 0.3479, 0.4279

**Protanomaly**

70.1732, 0.3697, 0.4186

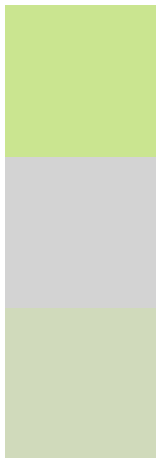
**Deuteranomaly**

69.8251, 0.3707, 0.3963

**Tritanomaly**

70.2085, 0.3173, 0.3516

# Monochromacy



**Original Color**

70.6088, 0.3479, 0.4279

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

67.1406, 0.3264, 0.3649

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6088, 0.3479, 0.4279 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, 229, 144)` looks like.

```
.text, #text, p{  
    color:rgb(202, 229, 144)  
}
```

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, 229, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 229, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6088, 0.3479, 0.4279 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, 229, 144) }
```

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

```
.border{ border-color:rgb(202, 229, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 229, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 229, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 229, 144); box-shadow:4px 4px 4px 4px rgb(202, 229, 144) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6088, 0.3479, 0.4279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 229, 144) }
```

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

```
.background{ background-color: rgb(202,  
229, 144) }
```

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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