

# Converting Colors

Yxy(71.4418, 0.3389, 0.4186)

Have a look what the booklet for  
Yxy(71.4418, 0.3389, 0.4186)  
contains.

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# **Color**

**Yxy(71.6270, 0.3391, 0.4190)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7E79A
RGB	199, 231, 154
RGB Percent	78%, 91%, 60%
CMY	0.2195, 0.0941, 0.3960
CMYK	0.14, 0.00, 0.33, 0.09
HSL	85°, 62%, 75%
HSV	85°, 33%, 91%
XYZ	57.9683, 71.6270, 41.3522
YIQ	212.6540, 5.6450, -30.7310

# Conversions

## Conversions Part 2

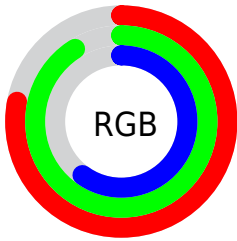
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 231, 186
Decimal	13100954
CIELab	87.79, -23.34, 34.11
CIElCh	88, 41.334, 124.387
Yxy	71.6270, 0.3391, 0.4190
Android (android.graphics.Color)	4291291034 (0xFFC7E79A)
YUV	212.6540, -28.9164, -11.9746
Hunter-Lab	84.6327, -25.8456, 30.2734

# Details

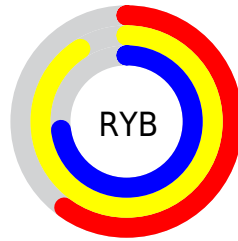
The Yxy color **71.6270, 0.3391, 0.4190** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.3280, 0.2780, 0.2365**, and the grayscale version is **66.4959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **37.5485, 0.3437, 0.4415** is the 20% darker color. If you saturate the color by 10%, you get **69.6612, 0.3458, 0.4480**, and if you desaturate by 10%, it is **73.8300, 0.3315, 0.3903**.

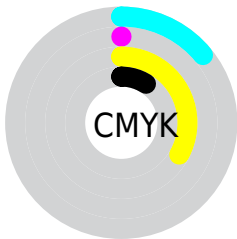
# Distribution



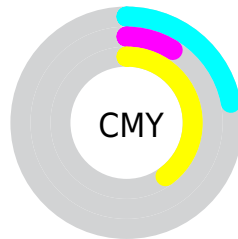
- Red (78%)
- Green (91%)
- Blue (60%)



- Red (60%)
- Yellow (91%)
- Blue (73%)



- Cyan (14%)
- Magenta (0%)
- Yellow (33%)
- Black (9%)




- Cyan (22%)
- Magenta (9%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6270, 0.3391, 0.4190 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 71.6270, 0.3391, 0.4190 by changing the saturation by 10% instead.





 71.6270, 0.3391,  
0.4190


 71.6270, 0.3391,  
0.4190

466.2423, 0.3280,  
0.3758

 52.8540, 0.3413,  
0.4292


 121.5261, 0.3355,  
0.4037

 37.6863, 0.3437,  
0.4419


 153.4210, 0.3341,  
0.3979

 25.7393, 0.3464,  
0.4581


190.4586, 0.3328,  
0.3929

 16.6287, 0.3492,  
0.4794


233.0235, 0.3316,  
0.3885

 9.9701, 0.3516,  
0.5085

281.4998, 0.3306,  
0.3847

 5.3791, 0.3516,  
0.5498


336.2722, 0.3296,

 2.4714, 0.3601,


0.3814


0.6399

397.7249, 0.3288,  
0.3784

 0.8623, 0.2245,  
0.7755


 0.0000, 0.0000,  
0.0000

 71.6270, 0.3391,  
0.4190


 71.6270, 0.3391,  
0.4190


 69.6612, 0.3458,  
0.4480


 73.8300, 0.3315,  
0.3903


 67.9131, 0.3511,  
0.4763


 76.2700, 0.3235,  
0.3629

 66.3750, 0.3546,  
0.5025

 78.9589, 0.3154,  
0.3371

 65.0345, 0.3558,  
0.5252


 81.9050, 0.3074,  
0.3134

 63.8780, 0.3547,  
0.5432

 84.1449, 0.3085,  
0.3054

 62.8890, 0.3512,  
0.5559

 85.6306, 0.3138,  
0.3058

 62.3054, 0.3479,  
0.5620

# Harmonies

## Analogous

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



71.6270, 0.3834, 0.4120



71.6270, 0.3391, 0.4190



71.6270, 0.2898, 0.3958

# Triad

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



71.6270, 0.3391, 0.4190



71.6270, 0.2236, 0.2658



71.6270, 0.3786, 0.3058

# Complementary

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



71.6270, 0.3391, 0.4190



39.3280, 0.2780, 0.2365

# Split Complementary

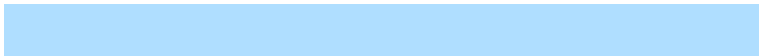
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.6270, 0.3304, 0.2734



71.6270, 0.3391, 0.4190



71.6270, 0.2428, 0.2501

# Square

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



71.6270, 0.3391, 0.4190



71.6270, 0.2255, 0.3010



71.6270, 0.2807, 0.2535



71.6270, 0.4085, 0.3447



# Rectangle

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



71.6270, 0.3391, 0.4190



71.6270, 0.2608, 0.3665



71.6270, 0.2807, 0.2535



71.6270, 0.3638, 0.2940

# Sweetspot

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



71.6301, 0.3391, 0.4190



96.5113, 0.3209, 0.3542



53.9429, 0.3788, 0.3643



20.5579, 0.3220, 0.3579



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

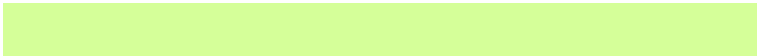


# Same Dimension

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



71.6301, 0.3391, 0.4190



87.9110, 0.3438, 0.4390



67.1370, 0.3130, 0.4267



16.5033, 0.3204, 0.3527



35.0045, 0.3490, 0.5611



2.6409, 0.3590, 0.5532



# Inverse Universe

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



39.3280, 0.2780, 0.2365



41.6537, 0.2688, 0.2152



44.6249, 0.3099, 0.2447



14.1781, 0.3045, 0.3052



4.6961, 0.1872, 0.0805

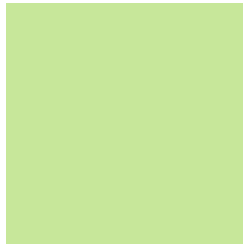


0.4005, 0.2036, 0.0895



# Previews

## White Background



This preview shows how the Yxy color 71.6270, 0.3391, 0.4190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

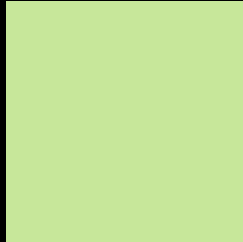
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.6270, 0.3391, 0.4190 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

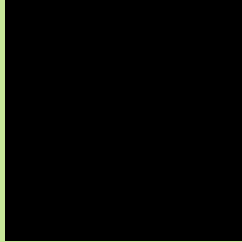
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.6270, 0.3391, 0.4190**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.6270, 0.3391, 0.4190.

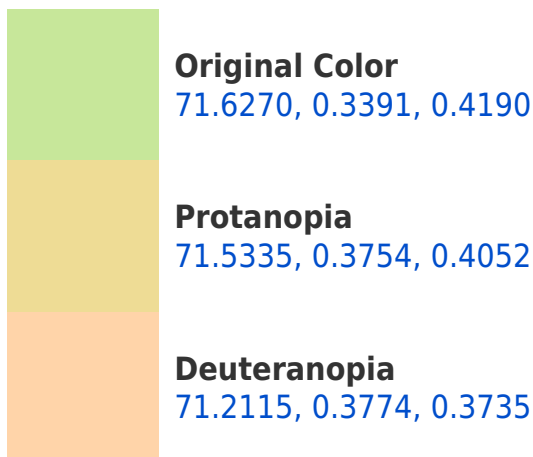


This preview shows how white text looks on a background with the Yxy color 71.6270, 0.3391, 0.4190.

# 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

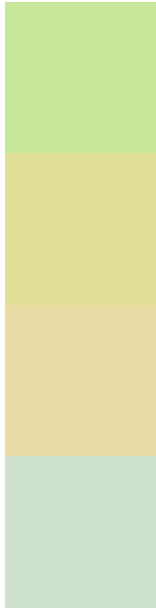




## Tritanopia

71.7348, 0.2950, 0.3105

# Trichromacy



**Original Color**

71.6270, 0.3391, 0.4190

**Protanomaly**

71.3930, 0.3617, 0.4100

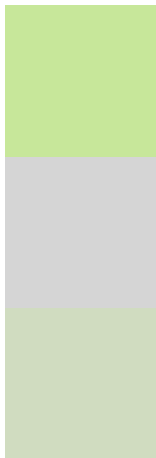
**Deuteranomaly**

71.0055, 0.3630, 0.3888

**Tritanomaly**

71.6208, 0.3118, 0.3493

# Monochromacy



**Original Color**

71.6270, 0.3391, 0.4190

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

68.4021, 0.3227, 0.3612

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.6270, 0.3391, 0.4190 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, 231, 154)` looks like.

```
.text, #text, p{  
    color:rgb(199, 231, 154)  
}
```

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, 231, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 231, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 71.6270, 0.3391, 0.4190 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, 231, 154) }
```

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

```
.border{ border-color:rgb(199, 231, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 231, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 231, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 231, 154);  
box-shadow:4px 4px 4px 4px rgb(199, 231,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.6270, 0.3391, 0.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 231, 154) }
```

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

```
.background{ background-color: rgb(199,  
231, 154) }
```

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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