

# Converting Colors

$Yxy(71.4067, 0.3199, 0.4200)$

Have a look what the booklet for  
Yxy(71.4067, 0.3199, 0.4200)  
contains.

<b>Yxy(71.4197, 0.3201, 0.4201)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(71.4197, 0.3201, 0.4201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2EBA0
RGB	178, 235, 160
RGB Percent	70%, 92%, 63%
CMY	0.3018, 0.0784, 0.3726
CMYK	0.24, 0.00, 0.32, 0.08
HSL	106°, 65%, 77%
HSV	106°, 32%, 92%
XYZ	54.4191, 71.4197, 44.1677
YIQ	209.4070, -9.8970, -35.4090

# Conversions

## Conversions Part 2

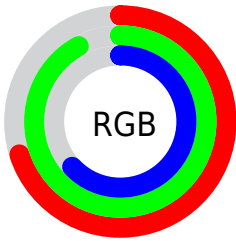
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">160, 235, 217</a>
Decimal	<a href="#">11725728</a>
CIELab	<a href="#">87.69, -31.75, 30.72</a>
CIElCh	<a href="#">88, 44.180, 135.942</a>
Yxy	<a href="#">71.4197, 0.3201, 0.4201</a>
Android (android.graphics.Color)	<a href="#">4289915808 (0xFFB2EBA0)</a>
YUV	<a href="#">209.4070, -24.3577, -27.5439</a>
Hunter-Lab	<a href="#">84.5102, -32.9504, 28.1703</a>

# Details

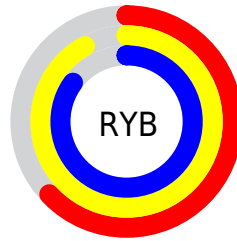
The Yxy color **71.4197, 0.3201, 0.4201** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.8783, 0.3011, 0.2460**, and the grayscale version is **64.2129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0885, 0.3233, 0.3697**, and **37.6080, 0.3202, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **68.7007, 0.3214, 0.4532**, and if you desaturate by 10%, it is **74.5749, 0.3182, 0.3887**.

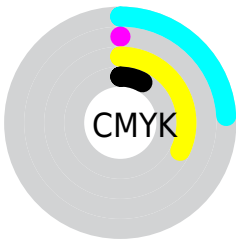
# Distribution



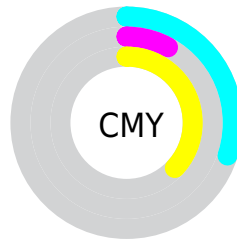
- Red (70%)
- Green (92%)
- Blue (63%)



- Red (63%)
- Yellow (92%)
- Blue (85%)



- Cyan (24%)
- Magenta (0%)
- Yellow (32%)
- Black (8%)




- Cyan (30%)
- Magenta (8%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4197, 0.3201, 0.4201 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 71.4197, 0.3201, 0.4201 by changing the saturation by 10% instead.





 71.4197, 0.3201,  
0.4201

 71.4197, 0.3201,  
0.4201

465.5193, 0.3179,  
0.3758

 52.6848, 0.3202,  
0.4307


 121.2311, 0.3196,  
0.4043

 37.5512, 0.3202,  
0.4441


 153.0764, 0.3194,  
0.3983

 25.6345, 0.3197,  
0.4614


190.0607, 0.3191,  
0.3931

 16.5504, 0.3185,  
0.4845

232.5682, 0.3188,  
0.3887

 9.9145, 0.3155,  
0.5167

280.9834, 0.3186,  
0.3849

 5.3423, 0.3082,  
0.5642


335.6907, 0.3184,

 2.4495, 0.3120,


0.3815


0.6880

397.0746, 0.3181,  
0.3784


 0.8512, 0.0384,  
0.9616


 0.0000, 0.0000,  
0.0000


 71.4197, 0.3201,  
0.4201


 71.4197, 0.3201,  
0.4201


 68.7007, 0.3214,  
0.4532


 74.5749, 0.3182,  
0.3887

 66.3894, 0.3218,  
0.4867

 78.1751, 0.3158,  
0.3598

 64.4680, 0.3212,  
0.5187

 82.2403, 0.3132,  
0.3337

 62.9137, 0.3193,  
0.5471

 86.7867, 0.3106,  
0.3105

■ 61.7011, 0.3162,  
0.5698

■ 87.8955, 0.3136,  
0.3097

■ 60.8011, 0.3122,  
0.5854

■ 60.2724, 0.3087,  
0.5931

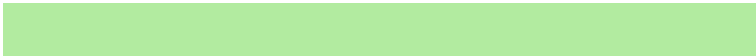
# Harmonies

## Analogous

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



71.4197, 0.3712, 0.4242



71.4197, 0.3201, 0.4201



71.4197, 0.2695, 0.3836

# Triad

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



71.4197, 0.3201, 0.4201



71.4197, 0.2232, 0.2526



71.4197, 0.3988, 0.3195

# Complementary

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



71.4197, 0.3201, 0.4201



45.8783, 0.3011, 0.2460

# 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.



71.4197, 0.3526, 0.2819



71.4197, 0.3201, 0.4201



71.4197, 0.2516, 0.2443

# Square

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



71.4197, 0.3201, 0.4201



71.4197, 0.2165, 0.2820



71.4197, 0.2979, 0.2551



71.4197, 0.4195, 0.3615



# Rectangle

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



71.4197, 0.3201, 0.4201



71.4197, 0.2427, 0.3483



71.4197, 0.2979, 0.2551



71.4197, 0.3855, 0.3061

# Sweetspot

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



71.4228, 0.3201, 0.4201



94.9759, 0.3153, 0.3547



69.4369, 0.3667, 0.3904



20.1875, 0.3157, 0.3585



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

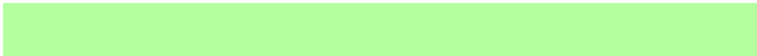


# Same Dimension

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



71.4228, 0.3201, 0.4201



83.8668, 0.3210, 0.4407



70.1319, 0.2977, 0.3991



17.0371, 0.3152, 0.3531



33.5941, 0.3096, 0.5924



2.6814, 0.3190, 0.5849



# Inverse Universe

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



45.8783, 0.3011, 0.2460



48.8100, 0.2980, 0.2292



47.7693, 0.3324, 0.2680



15.1206, 0.3099, 0.3055



8.6970, 0.2608, 0.1210



0.7266, 0.2694, 0.1258



# Previews

## White Background



This preview shows how the Yxy color 71.4197, 0.3201, 0.4201 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 71.4197, 0.3201, 0.4201 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

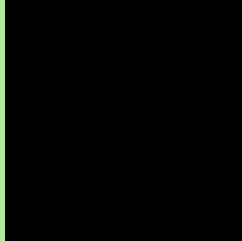
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.4197, 0.3201, 0.4201**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.4197, 0.3201, 0.4201.

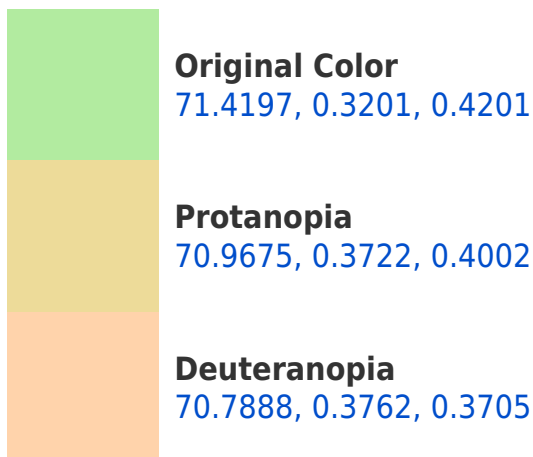


This preview shows how white text looks on a background with the Yxy color 71.4197, 0.3201, 0.4201.

# 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

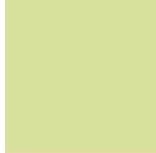
71.5280, 0.2800, 0.3089

# Trichromacy



## Original Color

71.4197, 0.3201, 0.4201



## Protanomaly

70.8497, 0.3520, 0.4072



## Deuteranomaly

70.3073, 0.3544, 0.3878



## Tritanomaly

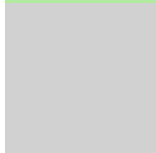
71.4075, 0.2946, 0.3475

# Monochromacy



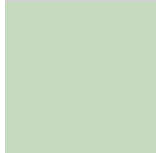
## Original Color

71.4197, 0.3201, 0.4201



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

65.9102, 0.3163, 0.3609

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4197, 0.3201, 0.4201 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(178, 235, 160)` looks like.

```
.text, #text, p{  
    color:rgb(178, 235, 160)  
}
```

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(178, 235, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 235, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4197, 0.3201, 0.4201 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(178, 235, 160) }
```

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

```
.border{ border-color:rgb(178, 235, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 235, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 235, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 235, 160);  
box-shadow:4px 4px 4px 4px rgb(178, 235,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4197, 0.3201, 0.4201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 235, 160) }
```

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

```
.background{ background-color: rgb(178,  
235, 160) }
```

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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