

# Converting Colors

$Yxy(71.5964, 0.2991, 0.3724)$

Have a look what the booklet for  
Yxy(71.5964, 0.2991, 0.3724)  
contains.

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# Color

**Yxy(71.8471, 0.2996, 0.3731)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E9C4
RGB	179, 233, 196
RGB Percent	70%, 91%, 77%
CMY	0.2979, 0.0863, 0.2315
CMYK	0.23, 0.00, 0.16, 0.09
HSL	139°, 55%, 81%
HSV	139°, 23%, 91%
XYZ	57.6934, 71.8471, 63.0275
YIQ	212.6360, -20.3070, -22.9550

# Conversions

## Conversions Part 2

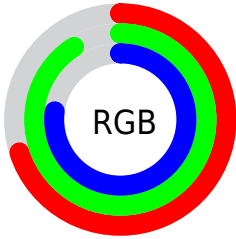
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 220, 233
Decimal	11790788
CIELab	87.89, -24.47, 12.45
CIELCh	88, 27.457, 153.041
Yxy	71.8471, 0.2996, 0.3731
Android (android.graphics.Color)	4289980868 (0xFFB3E9C4)
YUV	212.6360, -8.2015, -29.4988
Hunter-Lab	84.7627, -26.8394, 15.2472

# Details

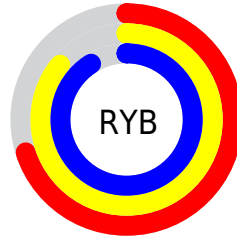
The Yxy color **71.8471, 0.2996, 0.3731** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.5355, 0.3289, 0.2887**, and the grayscale version is **66.3525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2740, 0.3016, 0.3309**, and **37.7572, 0.2960, 0.3846** is the 20% darker color. If you saturate the color by 10%, you get **68.6143, 0.2944, 0.3958**, and if you desaturate by 10%, it is **75.6326, 0.3052, 0.3526**.

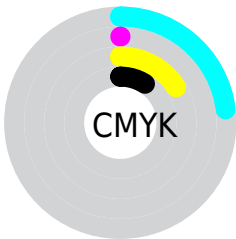
# Distribution



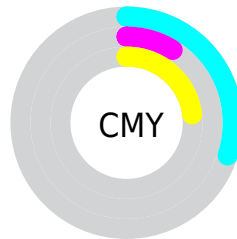
- Red (70%)
- Green (91%)
- Blue (77%)



- Red (70%)
- Yellow (86%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)



- Cyan (30%)
- Magenta (9%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8471, 0.2996, 0.3731 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 71.8471, 0.2996, 0.3731 by changing the saturation by 10% instead.




 71.8471, 0.2996,  
0.3731

 71.8471, 0.2996,  
0.3731


467.0092, 0.3060,  
0.3520

 53.0338, 0.2980,  
0.3781


 121.8391, 0.3019,  
0.3656

 37.8297, 0.2961,  
0.3844


153.7866, 0.3028,  
0.3628

 25.8506, 0.2935,  
0.3925


190.8810, 0.3035,  
0.3603

 16.7119, 0.2900,  
0.4034

233.5066, 0.3041,  
0.3582

 10.0293, 0.2850,  
0.4188

282.0478, 0.3047,  
0.3563

 5.4184, 0.2773,  
0.4420


336.8890, 0.3052,

 2.4948, 0.2638,

0.3547

0.4810


398.4147, 0.3056,  
0.3533


 0.8740, 0.1963,  
0.7353


 0.0000, 0.0000,  
0.0000


 71.8471, 0.2996,  
0.3731

 71.8471, 0.2996,  
0.3731


 68.6143, 0.2944,  
0.3958


 75.6326, 0.3052,  
0.3526

 65.8992, 0.2898,  
0.4204

 79.9860, 0.3109,  
0.3343

 63.6767, 0.2861,  
0.4464

 84.9331, 0.3166,  
0.3182

 61.9158, 0.2837,  
0.4731

 86.7597, 0.3137,  
0.3078

■ 60.5821, 0.2829,  
0.4994

■ 59.6360, 0.2837,  
0.5241

■ 59.0299, 0.2862,  
0.5459

■ 58.7622, 0.2885,  
0.5587

# Harmonies

## Analogous

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



71.8471, 0.3328, 0.3877



71.8471, 0.2996, 0.3731



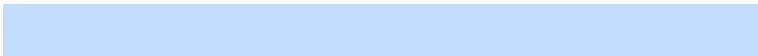
71.8471, 0.2710, 0.3446

# Triad

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



71.8471, 0.2996, 0.3731



71.8471, 0.2645, 0.2756



71.8471, 0.3754, 0.3398

# Complementary

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



71.8471, 0.2996, 0.3731



54.5355, 0.3289, 0.2887

# 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.



71.8471, 0.3552, 0.3127



71.8471, 0.2996, 0.3731



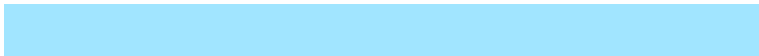
71.8471, 0.2903, 0.2767

# Square

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



71.8471, 0.2996, 0.3731



71.8471, 0.2515, 0.2880



71.8471, 0.3235, 0.2901



71.8471, 0.3776, 0.3659



# Rectangle

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



71.8471, 0.2996, 0.3731



71.8471, 0.2580, 0.3231



71.8471, 0.3235, 0.2901



71.8471, 0.3704, 0.3306

# Sweetspot

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



71.8501, 0.2996, 0.3731



96.0064, 0.3087, 0.3411



76.2580, 0.3359, 0.3891



20.4792, 0.3083, 0.3422



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

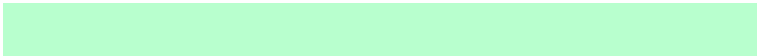


# Same Dimension

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



71.8501, 0.2996, 0.3731



86.1174, 0.2969, 0.3841



73.1514, 0.2845, 0.3414



16.9400, 0.3073, 0.3456



33.3616, 0.2878, 0.5560



2.6365, 0.2800, 0.5282



# Inverse Universe

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



54.5355, 0.3289, 0.2887



61.2352, 0.3332, 0.2797



53.2840, 0.3511, 0.3170



15.2286, 0.3186, 0.3130



11.2912, 0.4196, 0.2085

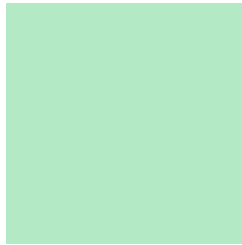


0.9039, 0.4026, 0.1991



# Previews

## White Background



This preview shows how the Yxy color 71.8471, 0.2996, 0.3731 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 71.8471, 0.2996, 0.3731 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

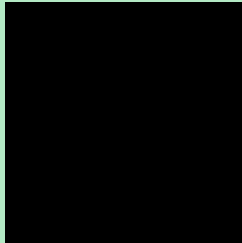
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

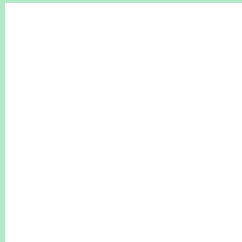
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.8471, 0.2996, 0.3731**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.8471, 0.2996, 0.3731.

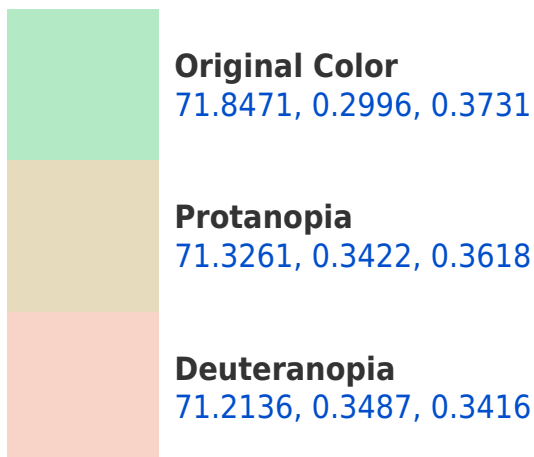


This preview shows how white text looks on a background with the Yxy color 71.8471, 0.2996, 0.3731.

# 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

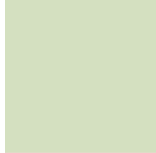
71.6157, 0.2771, 0.3088

# Trichromacy



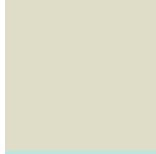
## Original Color

71.8471, 0.2996, 0.3731



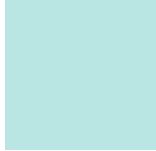
## Protanomaly

71.1141, 0.3252, 0.3653



## Deuteranomaly

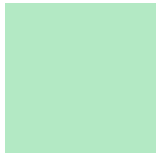
70.9979, 0.3291, 0.3522



## Tritanomaly

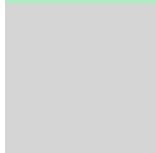
71.8990, 0.2851, 0.3312

# Monochromacy



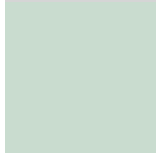
## Original Color

71.8471, 0.2996, 0.3731



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

68.1089, 0.3078, 0.3440

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.8471, 0.2996, 0.3731 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(179, 233, 196)` looks like.

```
.text, #text, p{  
    color:rgb(179, 233, 196)  
}
```

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(179, 233, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 233, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 71.8471, 0.2996, 0.3731 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(179, 233, 196) }
```

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

```
.border{ border-color:rgb(179, 233, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 233, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 233, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 233, 196);  
box-shadow:4px 4px 4px 4px rgb(179, 233,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.8471, 0.2996, 0.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 233, 196) }
```

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

```
.background{ background-color: rgb(179,  
233, 196) }
```

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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