

# Converting Colors

$Yxy(72.7331, 0.2986, 0.3860)$

Have a look what the booklet for  
Yxy(72.7331, 0.2986, 0.3860)  
contains.

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# Color

**Yxy(72.9004, 0.2986, 0.3869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABEDBD
RGB	171, 237, 189
RGB Percent	67%, 93%, 74%
CMY	0.3295, 0.0706, 0.2588
CMYK	0.28, 0.00, 0.20, 0.07
HSL	136°, 65%, 80%
HSV	136°, 28%, 93%
XYZ	56.2628, 72.9004, 59.2587
YIQ	211.7940, -23.9280, -28.9200

# Conversions

## Conversions Part 2

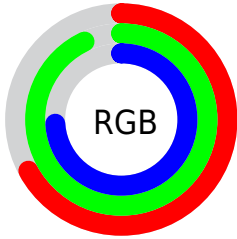
Format	Color
<a href="#">RYB</a>	<a href="#">171, 223, 237</a>
Decimal	<a href="#">11267517</a>
CIELab	<a href="#">88.40, -30.18, 16.71</a>
CIELCh	<a href="#">88, 34.497, 151.028</a>
Yxy	<a href="#">72.9004, 0.2986, 0.3869</a>
Android (android.graphics.Color)	<a href="#">4289457597</a> ( <a href="#">0xFFABEDBD</a> )
YUV	<a href="#">211.7940, -11.2374, -35.7763</a>
Hunter-Lab	<a href="#">85.3817, -31.7945, 18.6174</a>

# Details

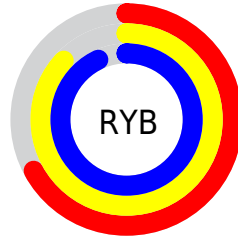
The Yxy color **72.9004, 0.2986, 0.3869** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.2391, 0.3307, 0.2774**, and the grayscale version is **65.7826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6066, 0.3019, 0.3390**, and **38.6072, 0.2943, 0.4015** is the 20% darker color. If you saturate the color by 10%, you get **69.7722, 0.2941, 0.4120**, and if you desaturate by 10%, it is **76.6007, 0.3035, 0.3640**.

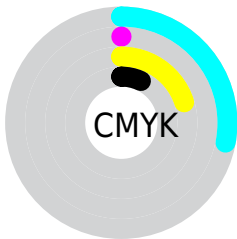
# Distribution



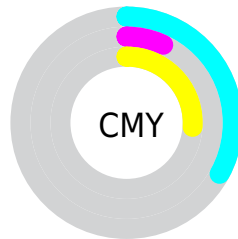
- Red (67%)
- Green (93%)
- Blue (74%)



- Red (67%)
- Yellow (87%)
- Blue (93%)



- Cyan (28%)
- Magenta (0%)
- Yellow (20%)
- Black (7%)




- Cyan (33%)
- Magenta (7%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9004, 0.2986, 0.3869 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 72.9004, 0.2986, 0.3869 by changing the saturation by 10% instead.





 72.9004, 0.2986,  
0.3869

 72.9004, 0.2986,  
0.3869

470.6695, 0.3057,  
0.3590

 53.8945, 0.2968,  
0.3935


 123.3358, 0.3012,  
0.3770

 38.5173, 0.2946,  
0.4019


155.5341, 0.3021,  
0.3732

 26.3845, 0.2916,  
0.4127


192.8987, 0.3029,  
0.3700

 17.1115, 0.2875,  
0.4273


235.8140, 0.3037,  
0.3672

 10.3140, 0.2815,  
0.4478

284.6643, 0.3043,  
0.3648

 5.6076, 0.2720,  
0.4789

339.8341, 0.3048,

 2.6080, 0.2549,

0.3626

0.5309

401.7077, 0.3053,  
0.3607

 0.9307, 0.1365,  
0.8635


 0.0000, 0.0000,  
0.0000

 72.9004, 0.2986,  
0.3869


 72.9004, 0.2986,  
0.3869


 69.7722, 0.2941,  
0.4120

 76.6007, 0.3035,  
0.3640


 67.1783, 0.2902,  
0.4390

 80.8906, 0.3087,  
0.3435

 65.0907, 0.2874,  
0.4669

 85.7979, 0.3138,  
0.3253

 63.4750, 0.2859,  
0.4948

 89.0523, 0.3135,  
0.3117

■ 62.2921, 0.2860,  
0.5213

■ 61.4966, 0.2876,  
0.5450

■ 61.0277, 0.2905,  
0.5646

■ 60.9509, 0.2912,  
0.5682

# Harmonies

## Analogous

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



72.9004, 0.3399, 0.4036



72.9004, 0.2986, 0.3869



72.9004, 0.2627, 0.3511

# Triad

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



72.9004, 0.2986, 0.3869



72.9004, 0.2514, 0.2634



72.9004, 0.3903, 0.3393

# Complementary

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



72.9004, 0.2986, 0.3869



52.2391, 0.3307, 0.2774

# 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.



72.9004, 0.3634, 0.3064



72.9004, 0.2986, 0.3869



72.9004, 0.2820, 0.2641

# Square

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



72.9004, 0.2986, 0.3869



72.9004, 0.2369, 0.2792



72.9004, 0.3229, 0.2796

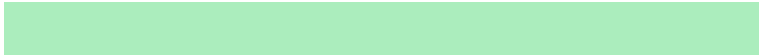


72.9004, 0.3944, 0.3720



# Rectangle

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



72.9004, 0.2986, 0.3869



72.9004, 0.2462, 0.3236



72.9004, 0.3229, 0.2796



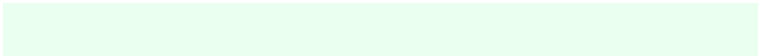
72.9004, 0.3836, 0.3280

# Sweetspot

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



72.9035, 0.2986, 0.3869



95.4156, 0.3086, 0.3438



78.6344, 0.3421, 0.4017



20.2497, 0.3078, 0.3468



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

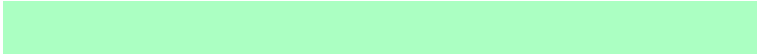


# Same Dimension

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



72.9035, 0.2986, 0.3869



84.0487, 0.2961, 0.3999



74.4812, 0.2804, 0.3469



16.9298, 0.3078, 0.3466



33.2936, 0.2904, 0.5655



2.6301, 0.2829, 0.5384



# Inverse Universe

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



52.2391, 0.3307, 0.2774



56.1563, 0.3350, 0.2674



50.6877, 0.3594, 0.3120



15.2395, 0.3180, 0.3120



11.4848, 0.4045, 0.2002

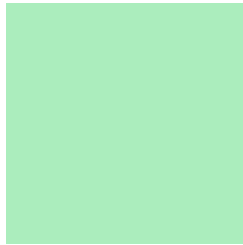


0.9179, 0.3902, 0.1923



# Previews

## White Background



This preview shows how the Yxy color 72.9004, 0.2986, 0.3869 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

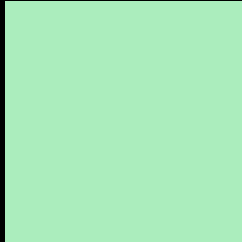
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.9004, 0.2986, 0.3869 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

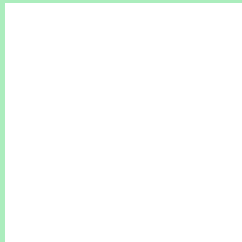
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.9004, 0.2986, 0.3869**

## Background



This preview shows how black text looks on a background with the Yxy color 72.9004, 0.2986, 0.3869.

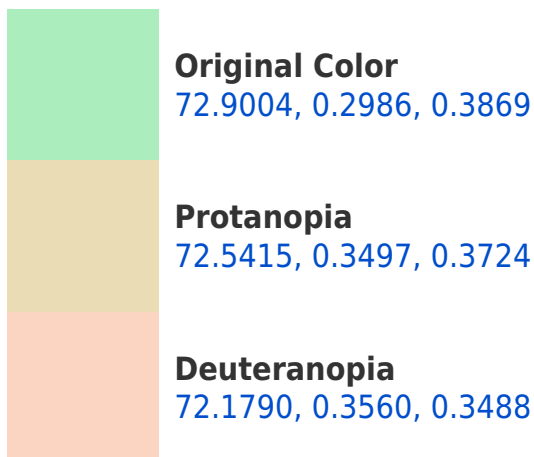


This preview shows how white text looks on a background with the Yxy color 72.9004, 0.2986, 0.3869.

# 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

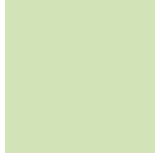
72.6991, 0.2722, 0.3088

# Trichromacy



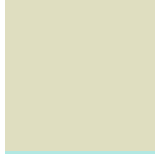
## Original Color

72.9004, 0.2986, 0.3869



## Protanomaly

72.2477, 0.3294, 0.3779



## Deuteranomaly

71.7363, 0.3336, 0.3622



## Tritanomaly

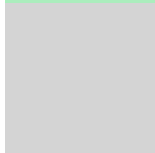
72.6692, 0.2817, 0.3358

# Monochromacy



## Original Color

72.9004, 0.2986, 0.3869



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

67.9429, 0.3069, 0.3488

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9004, 0.2986, 0.3869 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(171, 237, 189)` looks like.

```
.text, #text, p{  
    color:rgb(171, 237, 189)  
}
```

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(171, 237, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 237, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9004, 0.2986, 0.3869 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(171, 237, 189) }
```

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

```
.border{ border-color:rgb(171, 237, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 237, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 237, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 237, 189);  
box-shadow:4px 4px 4px 4px rgb(171, 237,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.9004, 0.2986, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 237, 189) }
```

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

```
.background{ background-color: rgb(171,  
237, 189) }
```

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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