

# Converting Colors

$Yxy(72.9800, 0.2866, 0.3623)$

Have a look what the booklet for  
Yxy(72.9800, 0.2866, 0.3623)  
contains.

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# Color

**Yxy(72.9800, 0.2866, 0.3623)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A9ECD0
RGB	169, 236, 208
RGB Percent	66%, 93%, 82%
CMY	0.3375, 0.0744, 0.1843
CMYK	0.28, 0.00, 0.12, 0.07
HSL	155°, 64%, 79%
HSV	155°, 28%, 93%
XYZ	57.7313, 72.9800, 70.7239
YIQ	212.7750, -30.9440, -22.9120

# Conversions

## Conversions Part 2

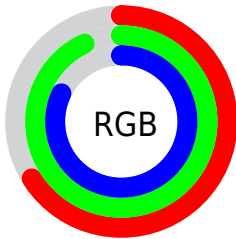
Format	Color
R <sub>YB</sub>	169, 211, 236
Decimal	11136208
CIE Lab	88.44, -26.72, 6.86
CIE LCh	88, 27.588, 165.604
Yxy	72.9800, 0.2866, 0.3623
Android (android.graphics.Color)	4289326288 (0xFFA9ECD0)
YUV	212.7750, -2.3541, -38.3907
Hunter-Lab	85.4283, -28.8716, 10.7152

# Details

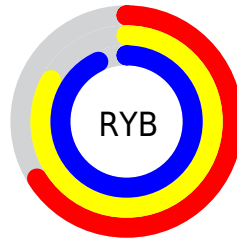
The Yxy color **72.9800, 0.2866, 0.3623** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **50.2122, 0.3494, 0.2981**, and the grayscale version is **66.4049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **38.6204, 0.2801, 0.3702** is the 20% darker color. If you saturate the color by 10%, you get **70.1354, 0.2787, 0.3763**, and if you desaturate by 10%, it is **76.3319, 0.2954, 0.3495**.

# Distribution



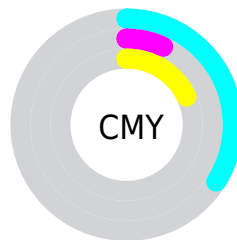
- Red (66%)
- Green (93%)
- Blue (82%)



- Red (66%)
- Yellow (83%)
- Blue (93%)



- Cyan (28%)
- Magenta (0%)
- Yellow (12%)
- Black (7%)



- Cyan (34%)
- Magenta (7%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9800, 0.2866, 0.3623 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 72.9800, 0.2866, 0.3623 by changing the saturation by 10% instead.




 72.9800, 0.2866,  
0.3623

 72.9800, 0.2866,  
0.3623

470.9455, 0.2989,  
0.3465

 53.9596, 0.2838,  
0.3660


 123.4488, 0.2909,  
0.3568

 38.5694, 0.2802,  
0.3706


155.6660, 0.2925,  
0.3546

 26.4249, 0.2757,  
0.3766


193.0510, 0.2940,  
0.3528

 17.1418, 0.2698,  
0.3845

235.9881, 0.2952,  
0.3512

 10.3356, 0.2616,  
0.3955

284.8616, 0.2963,  
0.3498

 5.6220, 0.2495,  
0.4120


340.0562, 0.2972,

 2.6167, 0.2301,


0.3486


0.4391


401.9560, 0.2981,  
0.3475


 0.9350, 0.1379,  
0.5474


 0.0000, 0.0000,  
0.0000


 72.9800, 0.2866,  
0.3623


 72.9800, 0.2866,  
0.3623


 70.1354, 0.2787,  
0.3763


 76.3319, 0.2954,  
0.3495


 67.7630, 0.2719,  
0.3912

 80.2059, 0.3047,  
0.3379

 65.8376, 0.2666,  
0.4070

 84.6275, 0.3142,  
0.3274

 64.3278, 0.2631,  
0.4233

 88.0031, 0.3183,  
0.3180

■ 63.1978, 0.2616,  
0.4398

■ 88.4817, 0.3136,  
0.3107

■ 62.4056, 0.2622,  
0.4561

■ 61.8910, 0.2646,  
0.4719

■ 61.8221, 0.2651,  
0.4743

# Harmonies

## Analogous

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



72.9800, 0.3189, 0.3837



72.9800, 0.2866, 0.3623



72.9800, 0.2621, 0.3310

# Triad

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



72.9800, 0.2866, 0.3623



72.9800, 0.2740, 0.2744



72.9800, 0.3787, 0.3512

# Complementary

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



72.9800, 0.2866, 0.3623



50.2122, 0.3494, 0.2981

# 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.



72.9800, 0.3655, 0.3238



72.9800, 0.2866, 0.3623



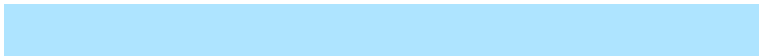
72.9800, 0.3037, 0.2810

# Square

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



72.9800, 0.2866, 0.3623



72.9800, 0.2552, 0.2812



72.9800, 0.3375, 0.2987



72.9800, 0.3729, 0.3749

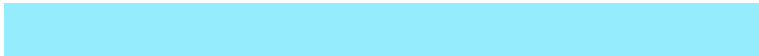


# Rectangle

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



72.9800, 0.2866, 0.3623



72.9800, 0.2530, 0.3103



72.9800, 0.3375, 0.2987



72.9800, 0.3763, 0.3422

# Sweetspot

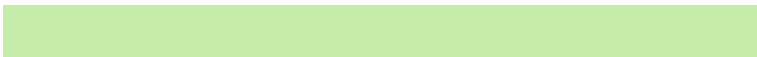
The Sweet Spot groups the original color and five complimentary colors.



72.9830, 0.2866, 0.3623



95.3024, 0.3041, 0.3385



74.8691, 0.3284, 0.4067



20.2469, 0.3027, 0.3402



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

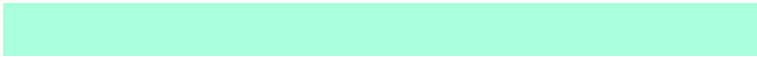


# Same Dimension

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



72.9830, 0.2866, 0.3623



84.9821, 0.2819, 0.3701



71.9418, 0.2710, 0.3237



17.0094, 0.3037, 0.3390



34.0977, 0.2644, 0.4718



2.6966, 0.2583, 0.4499



# Inverse Universe

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



50.2122, 0.3494, 0.2981



53.7595, 0.3594, 0.2916



50.7377, 0.3740, 0.3342



15.1584, 0.3227, 0.3192



10.3458, 0.5303, 0.2695

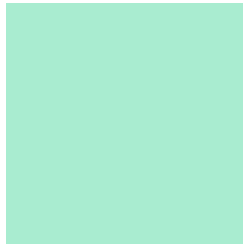


0.8312, 0.4945, 0.2498



# Previews

## White Background



This preview shows how the Yxy color 72.9800, 0.2866, 0.3623 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

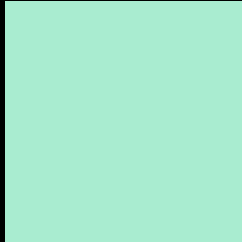
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.9800, 0.2866, 0.3623 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

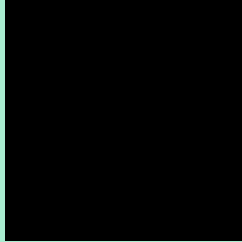
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

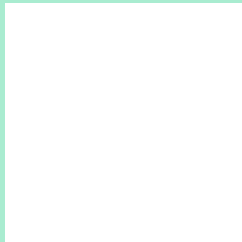
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.9800, 0.2866, 0.3623**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.9800, 0.2866, 0.3623.

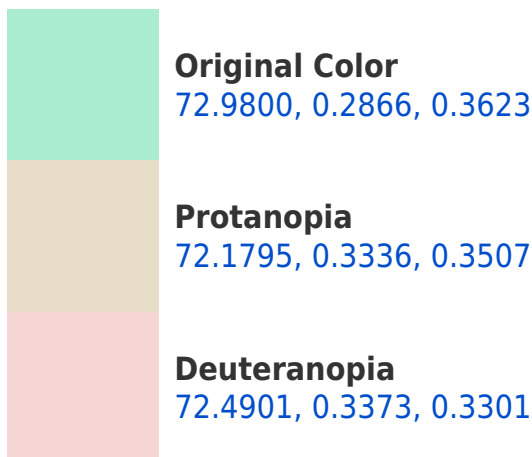


This preview shows how white text looks on a background with the Yxy color 72.9800, 0.2866, 0.3623.

# 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

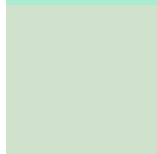
72.7803, 0.2685, 0.3076

# Trichromacy



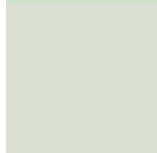
## Original Color

72.9800, 0.2866, 0.3623



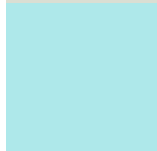
## Protanomaly

72.1144, 0.3150, 0.3550



## Deuteranomaly

71.8511, 0.3171, 0.3411



## Tritanomaly

72.6524, 0.2749, 0.3266

# Monochromacy



## Original Color

72.9800, 0.2866, 0.3623



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

68.2864, 0.3024, 0.3405

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9800, 0.2866, 0.3623 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(169, 236, 208)` looks like.

```
.text, #text, p{  
    color:rgb(169, 236, 208)  
}
```

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(169, 236, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 236, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9800, 0.2866, 0.3623 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(169, 236, 208) }
```

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

```
.border{ border-color:rgb(169, 236, 208) }
```

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

Here you see how a box with a 4 pixel rgb(169, 236, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 236, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 236, 208);  
box-shadow:4px 4px 4px 4px rgb(169, 236,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.9800, 0.2866, 0.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 236, 208) }
```

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

```
.background{ background-color: rgb(169,  
236, 208) }
```

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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