

# Converting Colors

$Yxy(76.3038, 0.2898, 0.3687)$

Have a look what the booklet for  
Yxy(76.3038, 0.2898, 0.3687)  
contains.

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# Color

**Yxy(76.2998, 0.2898, 0.3689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADF1CF
RGB	173, 241, 207
RGB Percent	68%, 95%, 81%
CMY	0.3218, 0.0548, 0.1883
CMYK	0.28, 0.00, 0.14, 0.05
HSL	150°, 71%, 81%
HSV	150°, 28%, 95%
XYZ	59.9395, 76.2998, 70.5913
YIQ	216.7920, -29.6140, -24.9900

# Conversions

## Conversions Part 2

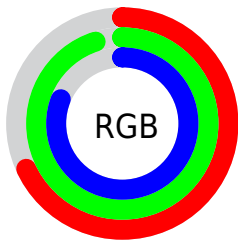
Format	Color
<b>RYB</b>	173, 218, 241
Decimal	11399631
CIELab	90.00, -28.12, 9.66
CIELCh	90, 29.728, 161.043
Yxy	76.2998, 0.2898, 0.3689
Android (android.graphics.Color)	4289589711 (0xFFADF1CF)
YUV	216.7920, -4.8275, -38.4056
Hunter-Lab	87.3498, -30.3752, 13.2299

# Details

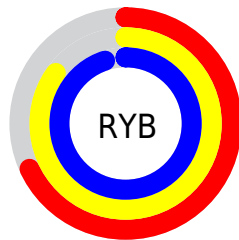
The Yxy color **76.2998, 0.2898, 0.3689** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.0706, 0.3442, 0.2924**, and the grayscale version is **69.2797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **40.9198, 0.2842, 0.3787** is the 20% darker color. If you saturate the color by 10%, you get **73.2330, 0.2828, 0.3858**, and if you desaturate by 10%, it is **79.9134, 0.2976, 0.3534**.

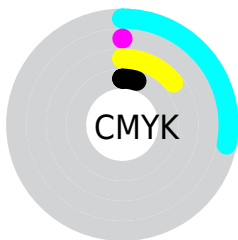
# Distribution



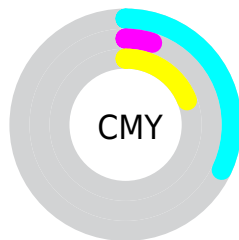
- Red (68%)
- Green (95%)
- Blue (81%)



- Red (68%)
- Yellow (85%)
- Blue (95%)



- Cyan (28%)
- Magenta (0%)
- Yellow (14%)
- Black (5%)




- Cyan (32%)
- Magenta (5%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2998, 0.2898, 0.3689 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 76.2998, 0.2898, 0.3689 by changing the saturation by 10% instead.




 76.2998, 0.2898,  
0.3689

 76.2998, 0.2898,  
0.3689


482.3734, 0.3006,  
0.3500

 56.6784, 0.2873,  
0.3733


 128.1506, 0.2936,  
0.3623

 40.7471, 0.2842,  
0.3788

161.1488, 0.2950,  
0.3597

 28.1215, 0.2802,  
0.3859


199.3746, 0.2963,  
0.3575

 18.4173, 0.2749,  
0.3952


243.2126, 0.2974,  
0.3556

 11.2500, 0.2676,  
0.4083

293.0471, 0.2983,  
0.3540

 6.2352, 0.2569,  
0.4277


349.2624, 0.2992,

 2.9886, 0.2396,


0.3525


0.4593


412.2430, 0.2999,  
0.3512


 1.1258, 0.1809,  
0.5569


 0.0000, 0.0000,  
0.0000


 76.2998, 0.2898,  
0.3689

 76.2998, 0.2898,  
0.3689


 73.2330, 0.2828,  
0.3858


 79.9134, 0.2976,  
0.3534


 70.6759, 0.2768,  
0.4040

 84.0899, 0.3058,  
0.3394

 68.6014, 0.2722,  
0.4232

 88.8565, 0.3142,  
0.3269

 66.9760, 0.2694,  
0.4430

 91.4014, 0.3133,  
0.3156

■ 65.7617, 0.2685,  
0.4628

■ 64.9139, 0.2696,  
0.4821

■ 64.3702, 0.2726,  
0.5004

■ 64.2908, 0.2732,  
0.5035

# Harmonies

## Analogous

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



76.2998, 0.3246, 0.3893



76.2998, 0.2898, 0.3689



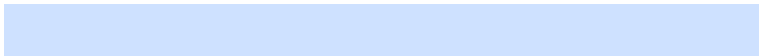
76.2998, 0.2622, 0.3363

# Triad

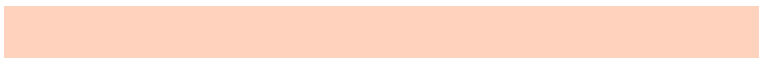
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.2998, 0.2898, 0.3689



76.2998, 0.2677, 0.2714



76.2998, 0.3819, 0.3480

# Complementary

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



76.2998, 0.2898, 0.3689



53.0706, 0.3442, 0.2924

# 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.



76.2998, 0.3651, 0.3190



76.2998, 0.2898, 0.3689



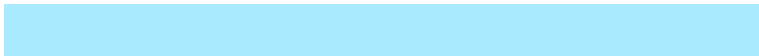
76.2998, 0.2978, 0.2764

# Square

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



76.2998, 0.2898, 0.3689



76.2998, 0.2501, 0.2806



76.2998, 0.3336, 0.2935

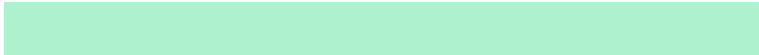


76.2998, 0.3788, 0.3743



# Rectangle

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



76.2998, 0.2898, 0.3689



76.2998, 0.2511, 0.3138



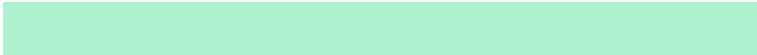
76.2998, 0.3336, 0.2935



76.2998, 0.3784, 0.3383

# Sweetspot

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



76.3030, 0.2898, 0.3689



95.6947, 0.3060, 0.3391



79.1983, 0.3314, 0.4055



20.3197, 0.3047, 0.3411



0.0000, 0.0000, 0.0000

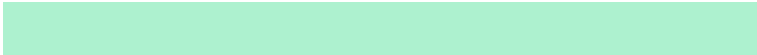


21.4041, 0.3127, 0.3290

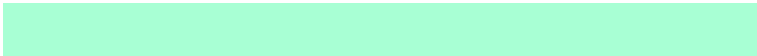


# Same Dimension

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



76.3030, 0.2898, 0.3689



84.6143, 0.2856, 0.3787



78.1505, 0.2717, 0.3289



17.7883, 0.3048, 0.3411



34.8847, 0.2724, 0.5006



2.9222, 0.2657, 0.4765



# Inverse Universe

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



53.0706, 0.3442, 0.2924



54.1113, 0.3530, 0.2845



51.5819, 0.3749, 0.3292



15.8906, 0.3215, 0.3173



10.9097, 0.4959, 0.2505

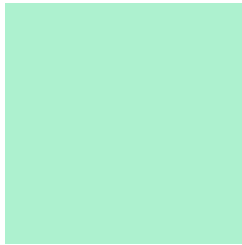


0.9277, 0.4666, 0.2344



# Previews

## White Background



This preview shows how the Yxy color 76.2998, 0.2898, 0.3689 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

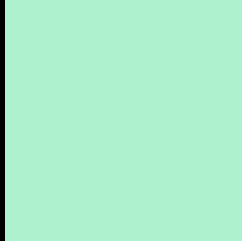
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.2998, 0.2898, 0.3689 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

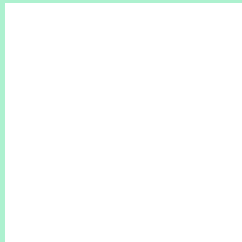
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.2998, 0.2898, 0.3689**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.2998, 0.2898, 0.3689.

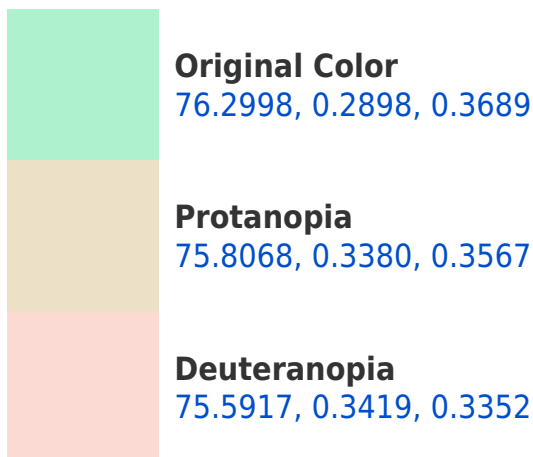


This preview shows how white text looks on a background with the Yxy color 76.2998, 0.2898, 0.3689.

# 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

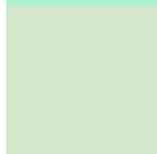
75.8826, 0.2697, 0.3080

# Trichromacy



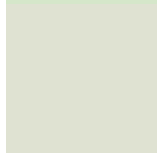
## Original Color

76.2998, 0.2898, 0.3689



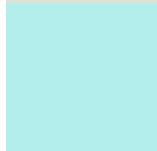
## Protanomaly

75.5622, 0.3187, 0.3612



## Deuteranomaly

74.7338, 0.3210, 0.3464



## Tritanomaly

76.2082, 0.2772, 0.3300

# Monochromacy



## Original Color

76.2998, 0.2898, 0.3689



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

71.6143, 0.3038, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.2998, 0.2898, 0.3689 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(173, 241, 207)` looks like.

```
.text, #text, p{  
    color:rgb(173, 241, 207)  
}
```

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(173, 241, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 241, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 76.2998, 0.2898, 0.3689 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(173, 241, 207) }
```

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

```
.border{ border-color:rgb(173, 241, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 241, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 241, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 241, 207);  
box-shadow:4px 4px 4px 4px rgb(173, 241,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.2998, 0.2898, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 241, 207) }
```

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

```
.background{ background-color: rgb(173,  
241, 207) }
```

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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