

Converting Colors

$Yxy(80.9927, 0.2901, 0.3785)$

Have a look what the booklet for
Yxy(80.9927, 0.2901, 0.3785)
contains.

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Color

Yxy(80.9783, 0.2902, 0.3788)

Conversions

Conversions Part 1

Format	Color
Hex	ACF9CE
RGB	172, 249, 206
RGB Percent	67%, 98%, 81%
CMY	0.3253, 0.0235, 0.1921
CMYK	0.31, 0.00, 0.17, 0.02
HSL	146°, 87%, 83%
HSV	146°, 31%, 98%
XYZ	62.0378, 80.9783, 70.7598
YIQ	221.0750, -32.0890, -29.6970

Conversions

Conversions Part 2

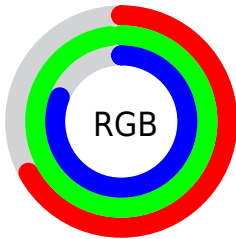
Format	Color
RYB	172, 225, 249
Decimal	11336142
CIELab	92.12, -32.32, 13.18
CIELCh	92, 34.908, 157.815
Yxy	80.9783, 0.2902, 0.3788
Android (android.graphics.Color)	4289526222 (0xFFACF9CE)
YUV	221.0750, -7.4320, -43.0388
Hunter-Lab	89.9879, -34.4209, 16.3703

Details

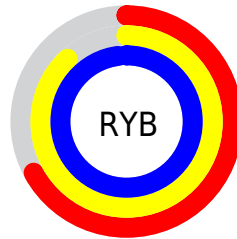
The Yxy color **80.9783, 0.2902, 0.3788** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.5695, 0.3442, 0.2842**, and the grayscale version is **72.4406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **43.7482, 0.2842, 0.3904** is the 20% darker color. If you saturate the color by 10%, you get **77.7759, 0.2840, 0.3983**, and if you desaturate by 10%, it is **84.7751, 0.2971, 0.3609**.

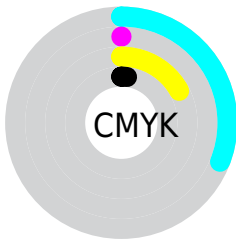
Distribution



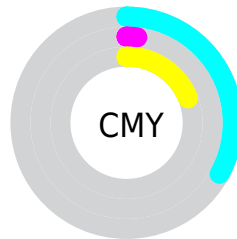
- Red (67%)
- Green (98%)
- Blue (81%)



- Red (67%)
- Yellow (88%)
- Blue (98%)



- Cyan (31%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)




- Cyan (33%)
- Magenta (2%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.9783, 0.2902, 0.3788 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 80.9783, 0.2902, 0.3788 by changing the saturation by 10% instead.


 80.9783, 0.2902,
0.3788

 80.9783, 0.2902,
0.3788


498.2237, 0.3008,
0.3553

 60.5237, 0.2877,
0.3843


 134.7403, 0.2939,
0.3706

 43.8409, 0.2846,
0.3911


168.8165, 0.2954,
0.3674

 30.5455, 0.2807,
0.3997


208.2021, 0.2966,
0.3647

 20.2530, 0.2755,
0.4112

253.2813, 0.2977,
0.3623

 12.5791, 0.2682,
0.4271

304.4388, 0.2986,
0.3603

 7.1393, 0.2576,
0.4505


362.0587, 0.2994,


 3.5494, 0.2404,

0.3584

0.4880


426.5255, 0.3002,
0.3568


 1.4248, 0.1985,
0.5813


 0.2349, 0.0000,
1.0000


 80.9783, 0.2902,
0.3788


 80.9783, 0.2902,
0.3788

 77.7759, 0.2840,
0.3983


 84.7751, 0.2971,
0.3609


 75.1267, 0.2790,
0.4192

 89.1849, 0.3045,
0.3447

 73.0001, 0.2753,
0.4410

 94.2379, 0.3120,
0.3302

 71.3581, 0.2734,
0.4632

 96.2289, 0.3130,
0.3233

■ 70.1573, 0.2734,
0.4851

■ 69.3460, 0.2755,
0.5058

■ 68.8727, 0.2787,
0.5232

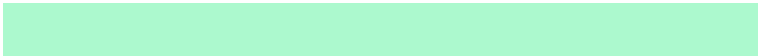
Harmonies

Analogous

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



80.9783, 0.3303, 0.4002



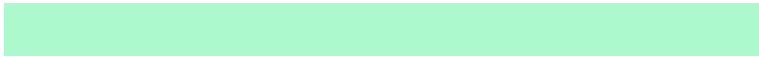
80.9783, 0.2902, 0.3788



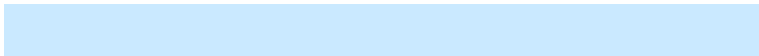
80.9783, 0.2575, 0.3415

Triad

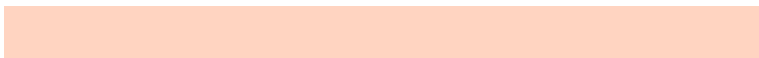
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9783, 0.2902, 0.3788



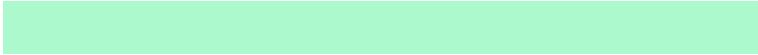
80.9783, 0.2583, 0.2636



80.9783, 0.3915, 0.3467

Complementary

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



80.9783, 0.2902, 0.3788



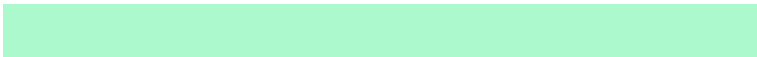
54.5695, 0.3442, 0.2842

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.



80.9783, 0.3698, 0.3139



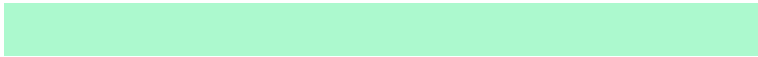
80.9783, 0.2902, 0.3788



80.9783, 0.2912, 0.2678

Square

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



80.9783, 0.2902, 0.3788



80.9783, 0.2402, 0.2754



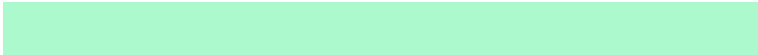
80.9783, 0.3322, 0.2858



80.9783, 0.3902, 0.3776

Rectangle

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



80.9783, 0.2902, 0.3788



80.9783, 0.2438, 0.3151



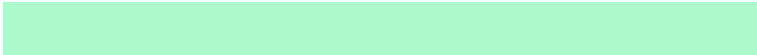
80.9783, 0.3322, 0.2858



80.9783, 0.3867, 0.3356

Sweetspot

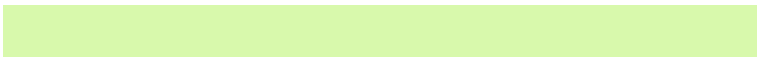
The Sweet Spot groups the original color and five complimentary colors.



80.9817, 0.2902, 0.3788



95.1058, 0.3059, 0.3418



85.2751, 0.3365, 0.4126



20.1985, 0.3048, 0.3440



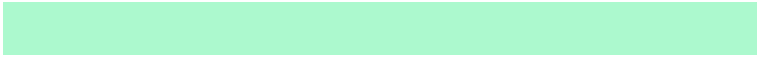
0.0000, 0.0000, 0.0000



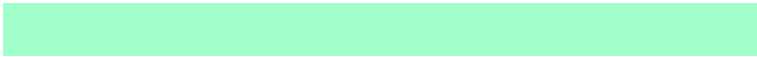
21.4041, 0.3127, 0.3290

Same Dimension

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



80.9817, 0.2902, 0.3788



83.3391, 0.2863, 0.3906



83.0483, 0.2707, 0.3346



19.4365, 0.3055, 0.3426



36.8953, 0.2778, 0.5202



3.4381, 0.2714, 0.4970

Inverse Universe

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



54.5695, 0.3442, 0.2842



51.4496, 0.3527, 0.2750



52.8430, 0.3784, 0.3237



17.3876, 0.3206, 0.3158



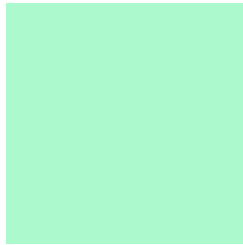
11.8088, 0.4715, 0.2371



1.1150, 0.4485, 0.2244

Previews

White Background



This preview shows how the Yxy color 80.9783, 0.2902, 0.3788 looks on a white background.

Color Contrast Check

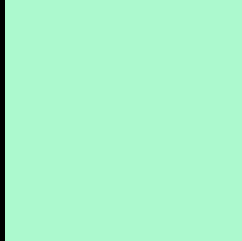
Large Text (above 18pt) WCAG AA × Fail

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 80.9783, 0.2902, 0.3788 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 80.9783, 0.2902, 0.3788

Background



This preview shows how black text looks on a background with the Yxy color 80.9783, 0.2902, 0.3788.

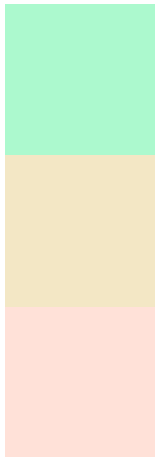


This preview shows how white text looks on a background with the Yxy color 80.9783, 0.2902, 0.3788.

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



Original Color

80.9783, 0.2902, 0.3788

Protanopia

80.2377, 0.3434, 0.3644

Deuteranopia

80.0683, 0.3402, 0.3381



Tritanopia

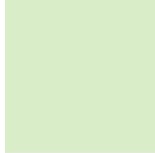
80.4223, 0.2759, 0.3118

Trichromacy



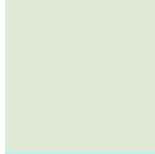
Original Color

80.9783, 0.2902, 0.3788



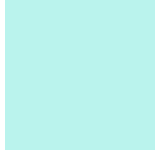
Protanomaly

80.0709, 0.3221, 0.3705



Deuteranomaly

79.6067, 0.3204, 0.3525



Tritanomaly

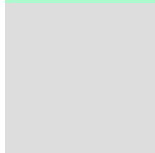
80.6547, 0.2812, 0.3355

Monochromacy



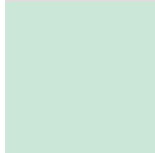
Original Color

80.9783, 0.2902, 0.3788



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.8062, 0.3032, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9783, 0.2902, 0.3788 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(172, 249, 206)` looks like.

```
.text, #text, p{  
    color:rgb(172, 249, 206)  
}
```

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(172, 249, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 249, 206) }
```

Border

The CSS property to change the border of an element to Yxy 80.9783, 0.2902, 0.3788 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(172, 249, 206) }
```

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

```
.border{ border-color:rgb(172, 249, 206) }
```

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

Here you see how a box with a 4 pixel rgb(172, 249, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 249, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 249, 206);  
box-shadow:4px 4px 4px 4px rgb(172, 249,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9783, 0.2902, 0.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 249, 206) }
```

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

```
.background{ background-color: rgb(172,  
249, 206) }
```

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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