

Converting Colors

$Yxy(77.8694, 0.3005, 0.3952)$

Have a look what the booklet for
Yxy(77.8694, 0.3005, 0.3952)
contains.

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Color

Yxy(77.9776, 0.3005, 0.3951)

Conversions

Conversions Part 1

Format	Color
Hex	AEF5BD
RGB	174, 245, 189
RGB Percent	68%, 96%, 74%
CMY	0.3173, 0.0393, 0.2588
CMYK	0.29, 0.00, 0.23, 0.04
HSL	133°, 78%, 82%
HSV	133°, 29%, 96%
XYZ	59.3072, 77.9776, 60.0769
YIQ	217.3870, -24.3400, -32.4680

Conversions

Conversions Part 2

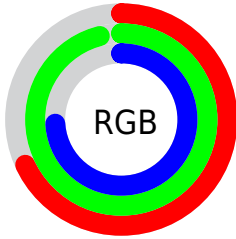
Format	Color
RYB	174, 233, 245
Decimal	11466173
CIELab	90.77, -32.95, 20.05
CIELCh	91, 38.572, 148.686
Yxy	77.9776, 0.3005, 0.3951
Android (android.graphics.Color)	4289656253 (0xFFFAEF5BD)
YUV	217.3870, -13.9948, -38.0504
Hunter-Lab	88.3049, -34.6498, 21.4764

Details

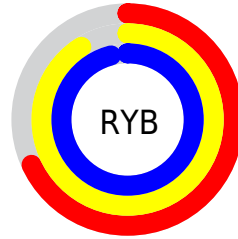
The Yxy color **77.9776, 0.3005, 0.3951** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.4293, 0.3279, 0.2709**, and the grayscale version is **69.7908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1015, 0.3037, 0.3390**, and **41.7088, 0.2975, 0.4122** is the 20% darker color. If you saturate the color by 10%, you get **74.6327, 0.2967, 0.4228**, and if you desaturate by 10%, it is **81.9543, 0.3046, 0.3698**.

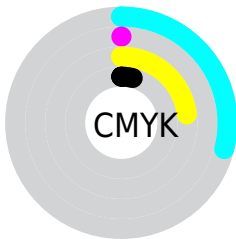
Distribution



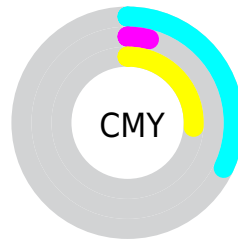
- Red (68%)
- Green (96%)
- Blue (74%)



- Red (68%)
- Yellow (91%)
- Blue (96%)



- Cyan (29%)
- Magenta (0%)
- Yellow (23%)
- Black (4%)



- Cyan (32%)
- Magenta (4%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9776, 0.3005, 0.3951 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 77.9776, 0.3005, 0.3951 by changing the saturation by 10% instead.


 77.9776, 0.3005,
0.3951

 77.9776, 0.3005,
0.3951


488.0907, 0.3068,
0.3635

 58.0556, 0.2989,
0.4026


 130.5185, 0.3028,
0.3839

 41.8533, 0.2969,
0.4119


163.9063, 0.3037,
0.3797

 28.9865, 0.2941,
0.4239


202.5513, 0.3044,
0.3760

 19.0706, 0.2903,
0.4399

246.8381, 0.3050,
0.3728

 11.7213, 0.2847,
0.4622

297.1511, 0.3055,
0.3701

 6.5542, 0.2757,
0.4955


353.8746, 0.3060,


 3.1849, 0.2595,


0.3676


0.5493


417.3930, 0.3064,
0.3655


 1.2290, 0.2110,
0.7890

 0.0852, 0.0000,
1.0000


 77.9776, 0.3005,
0.3951


 77.9776, 0.3005,
0.3951


 74.6327, 0.2967,
0.4228


 81.9543, 0.3046,
0.3698

 71.8773, 0.2935,
0.4522

 86.5829, 0.3089,
0.3471

 69.6797, 0.2912,
0.4824

 91.8946, 0.3132,
0.3270

 68.0006, 0.2901,
0.5118

 93.7784, 0.3132,
0.3194

■ 66.7958, 0.2903,
0.5388

■ 66.0134, 0.2918,
0.5616

■ 65.5781, 0.2943,
0.5790

■ 65.5427, 0.2946,
0.5805

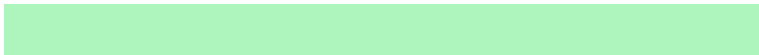
Harmonies

Analogous

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



77.9776, 0.3455, 0.4111



77.9776, 0.3005, 0.3951



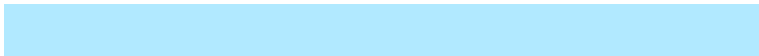
77.9776, 0.2607, 0.3566

Triad

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



77.9776, 0.3005, 0.3951



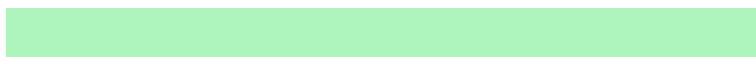
77.9776, 0.2441, 0.2583



77.9776, 0.3962, 0.3369

Complementary

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



77.9776, 0.3005, 0.3951



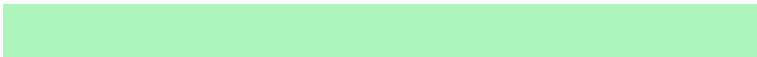
55.4293, 0.3279, 0.2709

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.



77.9776, 0.3650, 0.3017



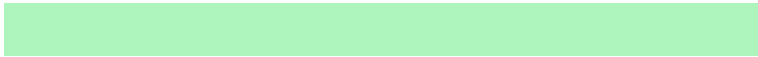
77.9776, 0.3005, 0.3951



77.9776, 0.2760, 0.2580

Square

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



77.9776, 0.3005, 0.3951



77.9776, 0.2300, 0.2765



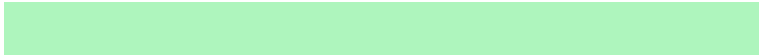
77.9776, 0.3201, 0.2736



77.9776, 0.4026, 0.3728

Rectangle

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



77.9776, 0.3005, 0.3951



77.9776, 0.2420, 0.3263



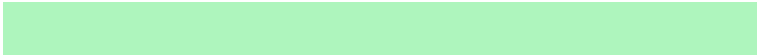
77.9776, 0.3201, 0.2736



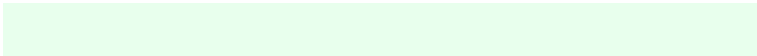
77.9776, 0.3882, 0.3248

Sweetspot

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



77.9809, 0.3005, 0.3951



94.7918, 0.3089, 0.3472



85.3143, 0.3465, 0.4040



20.1215, 0.3083, 0.3504



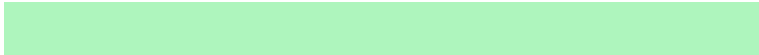
0.0000, 0.0000, 0.0000



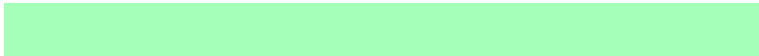
21.4041, 0.3127, 0.3290

Same Dimension

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



77.9809, 0.3005, 0.3951



83.0838, 0.2981, 0.4118



79.6725, 0.2817, 0.3532



18.5291, 0.3087, 0.3482



35.3289, 0.2940, 0.5782



3.1195, 0.2878, 0.5560

Inverse Universe

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



55.4293, 0.3279, 0.2709



54.5094, 0.3320, 0.2585



53.6692, 0.3577, 0.3062



16.7050, 0.3170, 0.3105



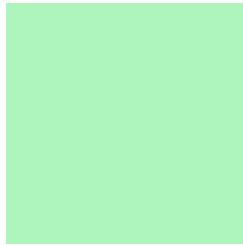
12.5626, 0.3826, 0.1882



1.1187, 0.3734, 0.1830

Previews

White Background



This preview shows how the Yxy color 77.9776, 0.3005, 0.3951 looks on a white background.

Color Contrast Check

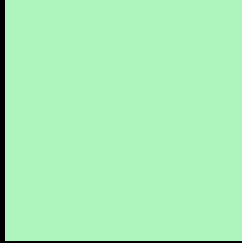
Large Text (above 18pt) WCAG AA × Fail

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 77.9776, 0.3005, 0.3951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

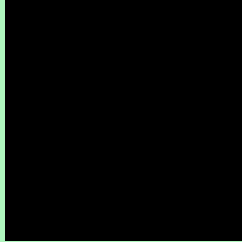
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.9776, 0.3005, 0.3951

Background



This preview shows how black text looks on a background with the Yxy color 77.9776, 0.3005, 0.3951.

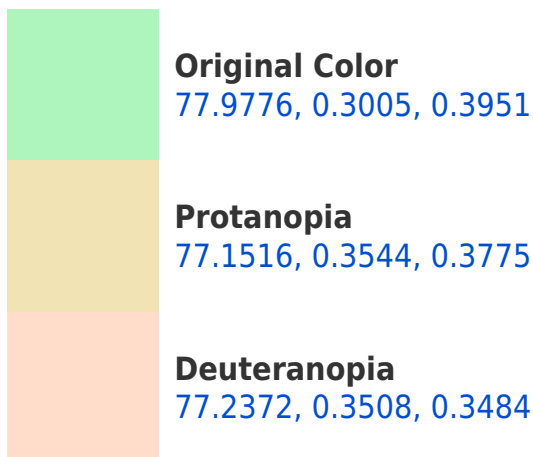


This preview shows how white text looks on a background with the Yxy color 77.9776, 0.3005, 0.3951.

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

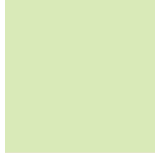
77.7757, 0.2716, 0.3082

Trichromacy



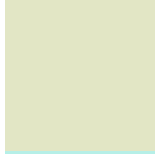
Original Color

77.9776, 0.3005, 0.3951



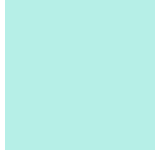
Protanomaly

77.0580, 0.3327, 0.3844



Deuteranomaly

76.7936, 0.3313, 0.3648



Tritanomaly

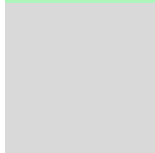
77.4476, 0.2818, 0.3379

Monochromacy



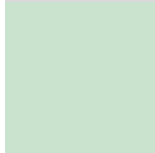
Original Color

77.9776, 0.3005, 0.3951



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.8607, 0.3075, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9776, 0.3005, 0.3951 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(174, 245, 189)` looks like.

```
.text, #text, p{  
    color:rgb(174, 245, 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(174, 245, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 245, 189) }
```

Border

The CSS property to change the border of an element to Yxy 77.9776, 0.3005, 0.3951 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(174, 245, 189) }
```

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

```
.border{ border-color:rgb(174, 245, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 245, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 245, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 245, 189);  
box-shadow:4px 4px 4px 4px rgb(174, 245,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9776, 0.3005, 0.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 245, 189) }
```

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

```
.background{ background-color: rgb(174,  
245, 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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