

Converting Colors

$Yxy(80.2211, 0.3070, 0.4192)$

Have a look what the booklet for
Yxy(80.2211, 0.3070, 0.4192)
contains.

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Color

Yxy(80.0851, 0.3067, 0.4190)

Conversions

Conversions Part 1

Format	Color
Hex	ABFAAE
RGB	171, 250, 174
RGB Percent	67%, 98%, 68%
CMY	0.3294, 0.0196, 0.3175
CMYK	0.32, 0.00, 0.30, 0.02
HSL	122°, 89%, 83%
HSV	122°, 32%, 98%
XYZ	58.6208, 80.0851, 52.4280
YIQ	217.7150, -22.6880, -40.3840

Conversions

Conversions Part 2

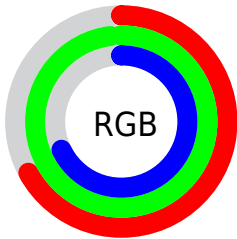
Format	Color
RYB	171, 247, 250
Decimal	11270830
CIELab	91.72, -38.72, 28.97
CIElCh	92, 48.357, 143.194
Yxy	80.0851, 0.3067, 0.4190
Android (android.graphics.Color)	4289460910 (0xFFABFAAE)
YUV	217.7150, -21.5515, -40.9691
Hunter-Lab	89.4903, -39.6812, 27.9081

Details

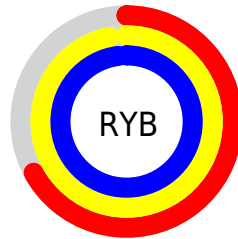
The Yxy color **80.0851, 0.3067, 0.4190** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.1603, 0.3188, 0.2530**, and the grayscale version is **70.0694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7272, 0.3103, 0.3545**, and **43.2334, 0.3038, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **76.6863, 0.3047, 0.4533**, and if you desaturate by 10%, it is **84.1894, 0.3087, 0.3870**.

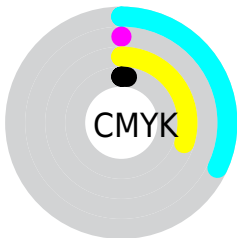
Distribution



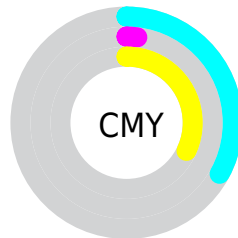
- Red (67%)
- Green (98%)
- Blue (68%)



- Red (67%)
- Yellow (97%)
- Blue (98%)



- Cyan (32%)
- Magenta (0%)
- Yellow (30%)
- Black (2%)





- Cyan (33%)
- Magenta (2%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0851, 0.3067, 0.4190 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 80.0851, 0.3067, 0.4190 by changing the saturation by 10% instead.

 80.0851, 0.3067,
0.4190

 80.0851, 0.3067,
0.4190


495.2196, 0.3107,
0.3758

 59.7884, 0.3055,
0.4292


 133.4854, 0.3083,
0.4037

 43.2481, 0.3038,
0.4419


167.3577, 0.3089,
0.3979

 30.0798, 0.3014,
0.4583


206.5241, 0.3094,
0.3929

 19.8992, 0.2977,
0.4801

251.3688, 0.3097,
0.3885

 12.3218, 0.2919,
0.5102

302.2763, 0.3100,
0.3848

 6.9632, 0.2818,
0.5541


359.6310, 0.3103,


 3.4391, 0.2639,


0.3814


0.6278

423.8173, 0.3105,
0.3785


 1.3650, 0.1744,
0.8256


 0.1908, 0.0000,
1.0000


 80.0851, 0.3067,
0.4190


 80.0851, 0.3067,
0.4190


 76.6863, 0.3047,
0.4533


 84.1894, 0.3087,
0.3870


 73.9438, 0.3028,
0.4885

 89.0249, 0.3106,
0.3582

 71.8182, 0.3012,
0.5225

 94.6286, 0.3124,
0.3328

 70.2619, 0.3001,
0.5526

 96.8544, 0.3129,
0.3242

■ 69.2198, 0.2995,
0.5762

■ 68.6264, 0.2994,
0.5917

■ 68.3955, 0.2995,
0.5983

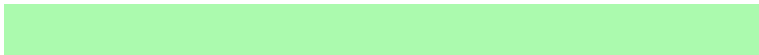
Harmonies

Analogous

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



80.0851, 0.3617, 0.4315



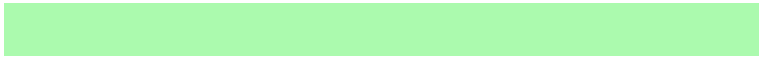
80.0851, 0.3067, 0.4190



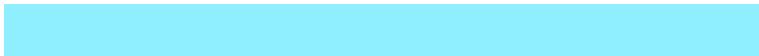
80.0851, 0.2560, 0.3737

Triad

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



80.0851, 0.3067, 0.4190



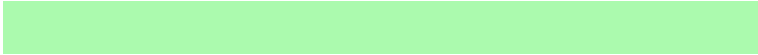
80.0851, 0.2241, 0.2447



80.0851, 0.4117, 0.3292

Complementary

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



80.0851, 0.3067, 0.4190



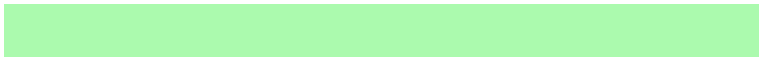
56.1603, 0.3188, 0.2530

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.



80.0851, 0.3680, 0.2882



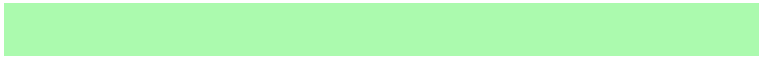
80.0851, 0.3067, 0.4190



80.0851, 0.2587, 0.2413

Square

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



80.0851, 0.3067, 0.4190



80.0851, 0.2115, 0.2699



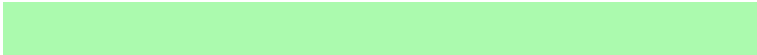
80.0851, 0.3107, 0.2570



80.0851, 0.4253, 0.3732

Rectangle

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



80.0851, 0.3067, 0.4190



80.0851, 0.2311, 0.3351



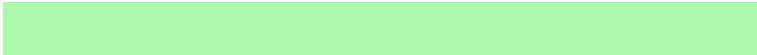
80.0851, 0.3107, 0.2570



80.0851, 0.3999, 0.3149

Sweetspot

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



80.0885, 0.3067, 0.4190



94.5636, 0.3111, 0.3513



91.1560, 0.3587, 0.4086



20.0658, 0.3109, 0.3551



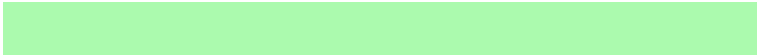
0.0000, 0.0000, 0.0000



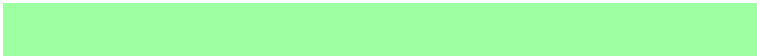
21.4041, 0.3127, 0.3290

Same Dimension

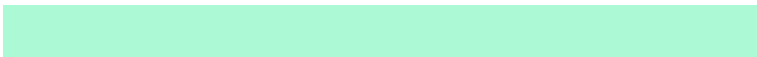
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0885, 0.3067, 0.4190



81.4019, 0.3054, 0.4409



81.8420, 0.2859, 0.3714



19.3201, 0.3110, 0.3526



36.2822, 0.2993, 0.5976



3.3640, 0.2977, 0.5918

Inverse Universe

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



56.1603, 0.3188, 0.2530



52.7299, 0.3201, 0.2380



53.9945, 0.3515, 0.2904



17.5124, 0.3144, 0.3065



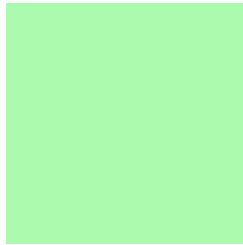
14.1346, 0.3308, 0.1596



1.3126, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 80.0851, 0.3067, 0.4190 looks on a white background.

Color Contrast Check

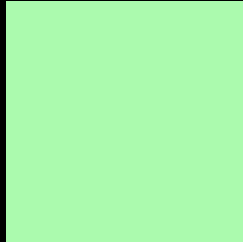
Large Text (above 18pt) WCAG AA × Fail

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 80.0851, 0.3067, 0.4190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

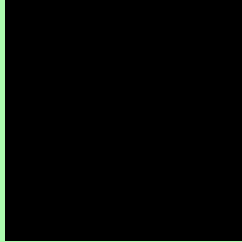
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.0851, 0.3067, 0.4190

Background



This preview shows how black text looks on a background with the Yxy color 80.0851, 0.3067, 0.4190.

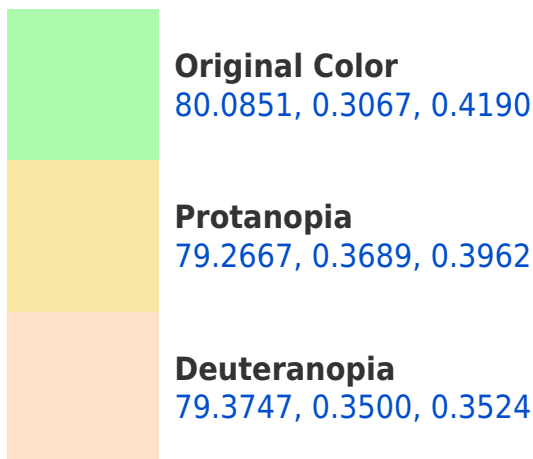


This preview shows how white text looks on a background with the Yxy color 80.0851, 0.3067, 0.4190.

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

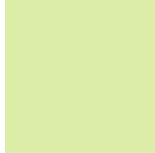
79.7065, 0.2752, 0.3106

Trichromacy



Original Color

80.0851, 0.3067, 0.4190



Protanomaly

78.6112, 0.3444, 0.4049



Deuteranomaly

78.4987, 0.3326, 0.3747



Tritanomaly

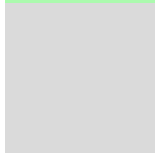
79.3095, 0.2865, 0.3469

Monochromacy



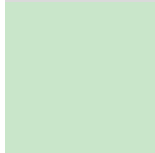
Original Color

80.0851, 0.3067, 0.4190



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.2754, 0.3105, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0851, 0.3067, 0.4190 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, 250, 174)` looks like.

```
.text, #text, p{  
    color:rgb(171, 250, 174)  
}
```

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, 250, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 250, 174) }
```

Border

The CSS property to change the border of an element to Yxy 80.0851, 0.3067, 0.4190 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, 250, 174) }
```

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

```
.border{ border-color:rgb(171, 250, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 250, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 250, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 250, 174); box-shadow:4px 4px 4px 4px rgb(171, 250, 174) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0851, 0.3067, 0.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 250, 174) }
```

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

```
.background{ background-color: rgb(171,  
250, 174) }
```

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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