

Converting Colors

$Yxy(78.4483, 0.3069, 0.4212)$

Have a look what the booklet for
Yxy(78.4483, 0.3069, 0.4212)
contains.

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Color

Yxy(78.3999, 0.3066, 0.4212)

Conversions

Conversions Part 1

Format	Color
Hex	A8F8AB
RGB	168, 248, 171
RGB Percent	66%, 97%, 67%
CMY	0.3412, 0.0274, 0.3293
CMYK	0.32, 0.00, 0.31, 0.03
HSL	122°, 85%, 82%
HSV	122°, 32%, 97%
XYZ	57.0689, 78.3999, 50.6658
YIQ	215.3020, -22.9630, -40.9070

Conversions

Conversions Part 2

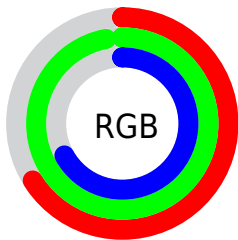
Format	Color
RYB	168, 245, 248
Decimal	11073707
CIELab	90.96, -39.23, 29.44
CIElCh	91, 49.043, 143.116
Yxy	78.3999, 0.3066, 0.4212
Android (android.graphics.Color)	4289263787 (0xFFA8F8AB)
YUV	215.3020, -21.8409, -41.4839
Hunter-Lab	88.5437, -39.9033, 28.0541

Details

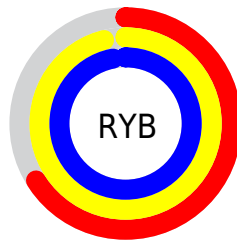
The Yxy color **78.3999, 0.3066, 0.4212** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.5548, 0.3189, 0.2514**, and the grayscale version is **68.3365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0736, 0.3101, 0.3578**, and **42.0803, 0.3037, 0.4451** is the 20% darker color. If you saturate the color by 10%, you get **75.1062, 0.3046, 0.4556**, and if you desaturate by 10%, it is **82.3835, 0.3086, 0.3891**.

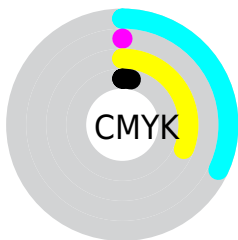
Distribution



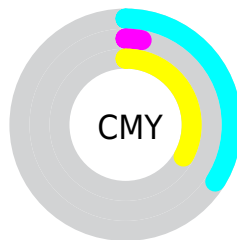
- Red (66%)
- Green (97%)
- Blue (67%)



- Red (66%)
- Yellow (96%)
- Blue (97%)



- Cyan (32%)
- Magenta (0%)
- Yellow (31%)
- Black (3%)




- Cyan (34%)
- Magenta (3%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3999, 0.3066, 0.4212 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 78.3999, 0.3066, 0.4212 by changing the saturation by 10% instead.


 78.3999, 0.3066,
0.4212

 78.3999, 0.3066,
0.4212


489.5239, 0.3107,
0.3768

 58.4025, 0.3053,
0.4317


 131.1137, 0.3083,
0.4055

 42.1324, 0.3036,
0.4450


164.5989, 0.3089,
0.3994

 29.2049, 0.3010,
0.4620

203.3489, 0.3093,
0.3943

 19.2359, 0.2972,
0.4846

247.7480, 0.3097,
0.3898

 11.8409, 0.2910,
0.5161

298.1807, 0.3100,
0.3859

 6.6354, 0.2800,
0.5622


355.0313, 0.3103,


 3.2352, 0.2623,


0.3825


0.6443


418.6842, 0.3105,
0.3795


 1.2557, 0.1349,
0.8651


 0.1065, 0.0000,
1.0000


 78.3999, 0.3066,
0.4212


 78.3999, 0.3066,
0.4212


 75.1062, 0.3046,
0.4556


 82.3835, 0.3086,
0.3891


 72.4541, 0.3027,
0.4908

 87.0826, 0.3105,
0.3600

 70.4047, 0.3012,
0.5246

 92.5334, 0.3123,
0.3343

 68.9106, 0.3001,
0.5544

 95.6166, 0.3130,
0.3223

■ 67.9175, 0.2995,
0.5775

■ 67.3603, 0.2994,
0.5924

■ 67.1572, 0.2995,
0.5984

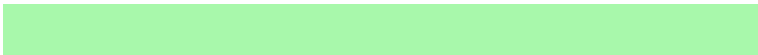
Harmonies

Analogous

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



78.3999, 0.3627, 0.4337



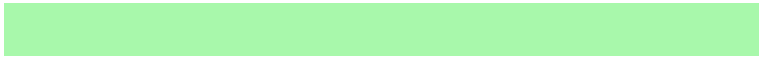
78.3999, 0.3066, 0.4212



78.3999, 0.2549, 0.3748

Triad

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



78.3999, 0.3066, 0.4212



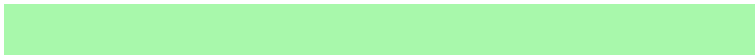
78.3999, 0.2223, 0.2431



78.3999, 0.4137, 0.3290

Complementary

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



78.3999, 0.3066, 0.4212



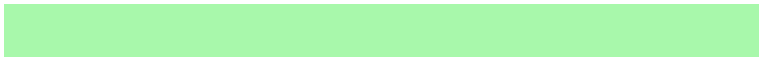
54.5548, 0.3189, 0.2514

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.



78.3999, 0.3690, 0.2873



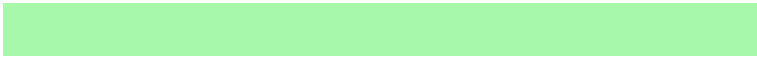
78.3999, 0.3066, 0.4212



78.3999, 0.2575, 0.2396

Square

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



78.3999, 0.3066, 0.4212



78.3999, 0.2095, 0.2687



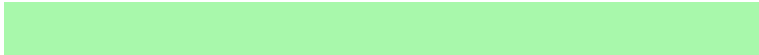
78.3999, 0.3104, 0.2556



78.3999, 0.4277, 0.3737

Rectangle

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



78.3999, 0.3066, 0.4212



78.3999, 0.2295, 0.3353



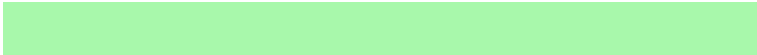
78.3999, 0.3104, 0.2556



78.3999, 0.4016, 0.3144

Sweetspot

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



78.4032, 0.3066, 0.4212



93.9997, 0.3109, 0.3539



89.4369, 0.3596, 0.4102



19.9534, 0.3107, 0.3577



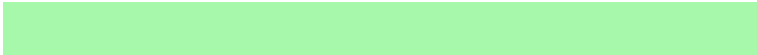
0.0000, 0.0000, 0.0000



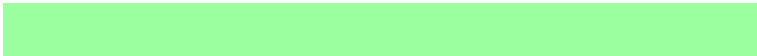
21.4041, 0.3127, 0.3290

Same Dimension

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



78.4032, 0.3066, 0.4212



81.0571, 0.3052, 0.4444



80.1485, 0.2854, 0.3724



19.3199, 0.3110, 0.3526



36.2819, 0.2994, 0.5977



3.3640, 0.2978, 0.5920

Inverse Universe

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



54.5548, 0.3189, 0.2514



51.8664, 0.3203, 0.2356



52.3876, 0.3526, 0.2896



17.5126, 0.3144, 0.3065



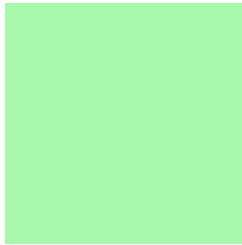
14.1399, 0.3306, 0.1595



1.3130, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 78.3999, 0.3066, 0.4212 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 78.3999, 0.3066, 0.4212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

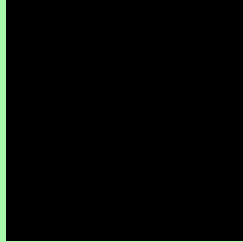
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.3999, 0.3066, 0.4212

Background



This preview shows how black text looks on a background with the Yxy color 78.3999, 0.3066, 0.4212.

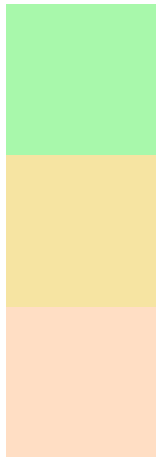


This preview shows how white text looks on a background with the Yxy color 78.3999, 0.3066, 0.4212.

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

78.3999, 0.3066, 0.4212

Protanopia

77.6883, 0.3700, 0.3977

Deuteranopia

77.4881, 0.3548, 0.3556



Tritanopia

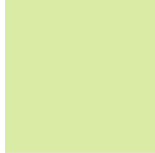
78.2275, 0.2712, 0.3093

Trichromacy



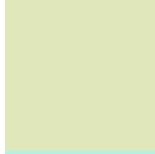
Original Color

78.3999, 0.3066, 0.4212



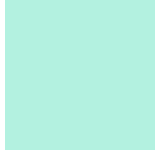
Protanomaly

77.0387, 0.3452, 0.4066



Deuteranomaly

76.4277, 0.3355, 0.3773



Tritanomaly

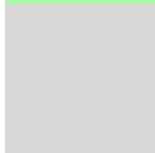
77.8761, 0.2840, 0.3483

Monochromacy



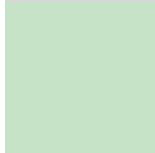
Original Color

78.3999, 0.3066, 0.4212



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.0675, 0.3105, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3999, 0.3066, 0.4212 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(168, 248, 171)` looks like.

```
.text, #text, p{  
  color:rgb(168, 248, 171)  
}
```

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(168, 248, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 248, 171) }
```

Border

The CSS property to change the border of an element to Yxy 78.3999, 0.3066, 0.4212 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(168, 248, 171) }
```

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

```
.border{ border-color:rgb(168, 248, 171) }
```

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

Here you see how a box with a 4 pixel rgb(168, 248, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 248, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 248, 171);  
box-shadow:4px 4px 4px 4px rgb(168, 248,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3999, 0.3066, 0.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 248, 171) }
```

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

```
.background{ background-color: rgb(168,  
248, 171) }
```

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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