

Converting Colors

$Yxy(74.8743, 0.3086, 0.4170)$

Have a look what the booklet for
Yxy(74.8743, 0.3086, 0.4170)
contains.

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Color

Yxy(74.8039, 0.3086, 0.4176)

Conversions

Conversions Part 1

Format	Color
Hex	A9F2A9
RGB	169, 242, 169
RGB Percent	66%, 95%, 66%
CMY	0.3371, 0.0510, 0.3374
CMYK	0.30, 0.00, 0.30, 0.05
HSL	120°, 74%, 81%
HSV	120°, 30%, 95%
XYZ	55.2789, 74.8039, 49.0453
YIQ	211.8510, -20.0750, -38.1790

Conversions

Conversions Part 2

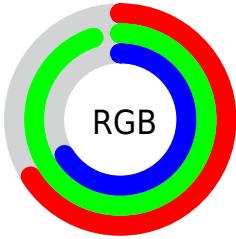
Format	Color
RYB	169, 242, 242
Decimal	11137705
CIELab	89.30, -36.52, 28.24
CIElCh	89, 46.169, 142.288
Yxy	74.8039, 0.3086, 0.4176
Android (android.graphics.Color)	4289327785 (0xFFA9F2A9)
YUV	211.8510, -21.1255, -37.5803
Hunter-Lab	86.4892, -37.2693, 26.9210

Details

The Yxy color **74.8039, 0.3086, 0.4176** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.6412, 0.3162, 0.2539**, and the grayscale version is **65.8920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1250, 0.3119, 0.3598**, and **39.5363, 0.3060, 0.4408** is the 20% darker color. If you saturate the color by 10%, you get **71.5487, 0.3070, 0.4529**, and if you desaturate by 10%, it is **78.7281, 0.3101, 0.3848**.

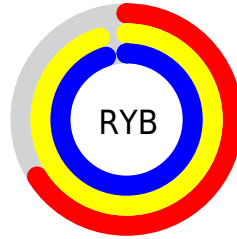
Distribution



Red (66%)

Green (95%)

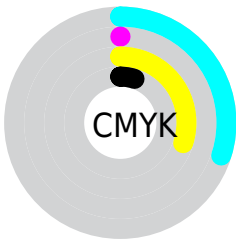
Blue (66%)



Red (66%)

Yellow (95%)

Blue (95%)

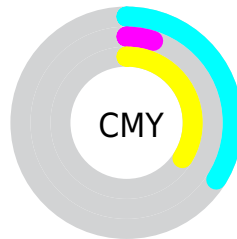


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (5%)



Cyan (34%)


Magenta (5%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8039, 0.3086, 0.4176 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 74.8039, 0.3086, 0.4176 by changing the saturation by 10% instead.


 74.8039, 0.3086,
0.4176

 74.8039, 0.3086,
0.4176


477.2433, 0.3117,
0.3746

 55.4523, 0.3076,
0.4279

 126.0347, 0.3099,
0.4023

 39.7639, 0.3061,
0.4408


158.6827, 0.3104,
0.3965

 27.3545, 0.3039,
0.4575


196.5316, 0.3107,
0.3915

 17.8397, 0.3005,
0.4798

239.9658, 0.3110,
0.3872

 10.8349, 0.2949,
0.5111

289.3696, 0.3112,
0.3835

 5.9560, 0.2847,
0.5574


345.1276, 0.3114,


 2.8183, 0.2705,


0.3802


407.6240, 0.3116,
0.3772

0.6485


 1.0376, 0.0774,
0.9226


 0.0000, 0.0000,
0.0000


 74.8039, 0.3086,
0.4176


 74.8039, 0.3086,
0.4176


 71.5487, 0.3070,
0.4529


 78.7281, 0.3101,
0.3848


 68.9164, 0.3053,
0.4890

 83.3456, 0.3115,
0.3554

 66.8701, 0.3036,
0.5239

 88.6909, 0.3127,
0.3294

 65.3649, 0.3022,
0.5545

 91.9846, 0.3133,
0.3165

■ 64.3497, 0.3011,
0.5781

■ 63.7634, 0.3003,
0.5931

■ 63.5060, 0.3000,
0.6000

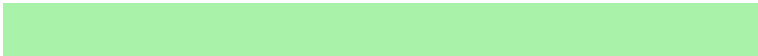
Harmonies

Analogous

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



74.8039, 0.3623, 0.4289



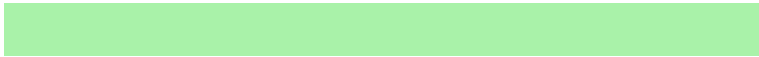
74.8039, 0.3086, 0.4176



74.8039, 0.2586, 0.3742

Triad

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



74.8039, 0.3086, 0.4176



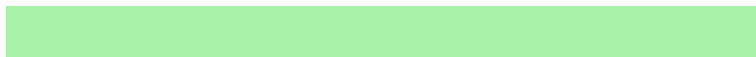
74.8039, 0.2253, 0.2470



74.8039, 0.4084, 0.3281

Complementary

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



74.8039, 0.3086, 0.4176



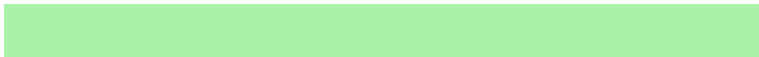
53.6412, 0.3162, 0.2539

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.



74.8039, 0.3652, 0.2880



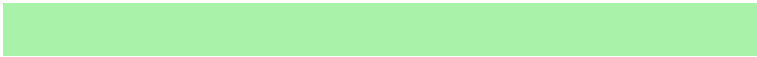
74.8039, 0.3086, 0.4176



74.8039, 0.2586, 0.2429

Square

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



74.8039, 0.3086, 0.4176



74.8039, 0.2135, 0.2724



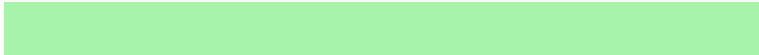
74.8039, 0.3091, 0.2578



74.8039, 0.4228, 0.3712

Rectangle

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



74.8039, 0.3086, 0.4176



74.8039, 0.2338, 0.3367



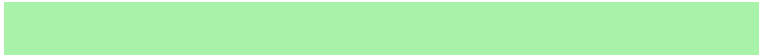
74.8039, 0.3091, 0.2578



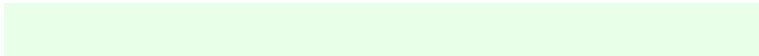
74.8039, 0.3966, 0.3140

Sweetspot

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



74.8071, 0.3086, 0.4176



94.5167, 0.3116, 0.3522



84.5232, 0.3587, 0.4033



20.0544, 0.3115, 0.3562



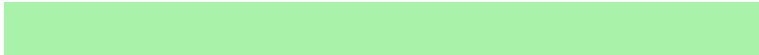
0.0000, 0.0000, 0.0000



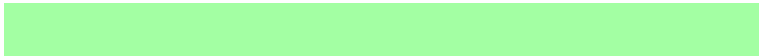
21.4041, 0.3127, 0.3290

Same Dimension

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



74.8071, 0.3086, 0.4176



81.9880, 0.3076, 0.4383



76.3088, 0.2890, 0.3736



17.6571, 0.3116, 0.3534



34.1161, 0.3000, 0.6000



2.8384, 0.3001, 0.5999

Inverse Universe

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



53.6412, 0.3162, 0.2539



54.7297, 0.3168, 0.2395



51.7326, 0.3459, 0.2885



16.0307, 0.3138, 0.3057



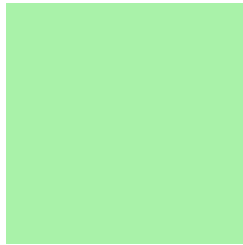
13.5644, 0.3207, 0.1540



1.1287, 0.3207, 0.1540

Previews

White Background



This preview shows how the Yxy color 74.8039, 0.3086, 0.4176 looks on a white background.

Color Contrast Check

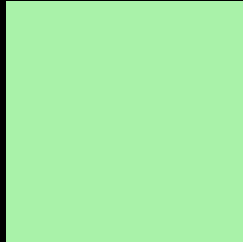
Large Text (above 18pt) WCAG AA × Fail

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 74.8039, 0.3086, 0.4176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

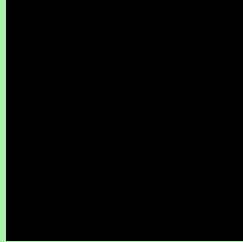
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.8039, 0.3086, 0.4176

Background



This preview shows how black text looks on a background with the Yxy color 74.8039, 0.3086, 0.4176.

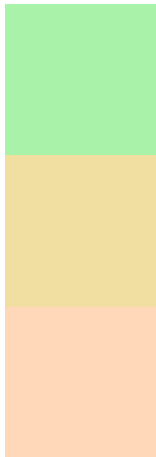


This preview shows how white text looks on a background with the Yxy color 74.8039, 0.3086, 0.4176.

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

74.8039, 0.3086, 0.4176

Protanopia

74.0493, 0.3685, 0.3949

Deuteranopia

73.8745, 0.3643, 0.3610



Tritanopia

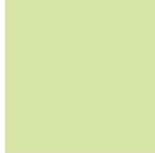
74.8057, 0.2721, 0.3090

Trichromacy



Original Color

74.8039, 0.3086, 0.4176



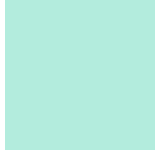
Protanomaly

73.7210, 0.3448, 0.4033



Deuteranomaly

72.9524, 0.3427, 0.3799



Tritanomaly

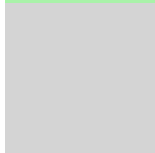
74.7951, 0.2853, 0.3462

Monochromacy



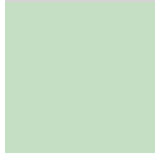
Original Color

74.8039, 0.3086, 0.4176



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.4966, 0.3112, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8039, 0.3086, 0.4176 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(169, 242, 169)` looks like.

```
.text, #text, p{  
    color:rgb(169, 242, 169)  
}
```

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(169, 242, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 242, 169) }
```

Border

The CSS property to change the border of an element to Yxy 74.8039, 0.3086, 0.4176 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(169, 242, 169) }
```

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

```
.border{ border-color:rgb(169, 242, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 242, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 242, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 242, 169);  
box-shadow:4px 4px 4px 4px rgb(169, 242,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8039, 0.3086, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 242, 169) }
```

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

```
.background{ background-color: rgb(169,  
242, 169) }
```

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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