

Converting Colors

$Yxy(84.2514, 0.2941, 0.3950)$

Have a look what the booklet for
Yxy(84.2514, 0.2941, 0.3950)
contains.

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Color

Yxy(84.2551, 0.2941, 0.3949)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFC6
RGB	171, 255, 198
RGB Percent	67%, 100%, 78%
CMY	0.3293, 0.0000, 0.2237
CMYK	0.33, 0.00, 0.22, 0.00
HSL	139°, 100%, 84%
HSV	139°, 33%, 100%
XYZ	62.7486, 84.2551, 66.3544
YIQ	223.3860, -31.7670, -35.5350

Conversions

Conversions Part 2

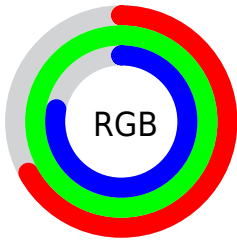
Format	Color
RYB	171, 235, 255
Decimal	11272134
CIELab	93.56, -36.88, 19.33
CIElCh	94, 41.638, 152.331
Yxy	84.2551, 0.2941, 0.3949
Android (android.graphics.Color)	4289462214 (0xFFABFFC6)
YUV	223.3860, -12.5153, -45.9425
Hunter-Lab	91.7906, -38.6098, 21.3933

Details

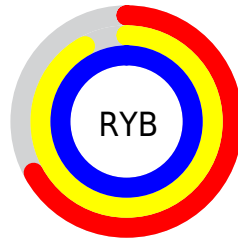
The Yxy color **84.2551, 0.2941, 0.3949** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.0043, 0.3383, 0.2713**, and the grayscale version is **74.1917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **46.1148, 0.2892, 0.4113** is the 20% darker color. If you saturate the color by 10%, you get **80.9095, 0.2894, 0.4194**, and if you desaturate by 10%, it is **88.2482, 0.2995, 0.3724**.

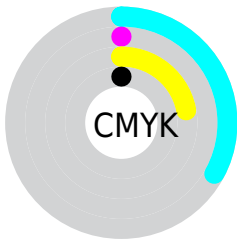
Distribution



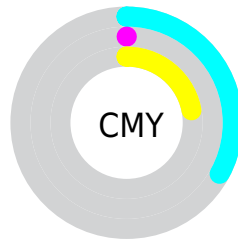
- Red (67%)
- Green (100%)
- Blue (78%)



- Red (67%)
- Yellow (92%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2551, 0.2941, 0.3949 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 84.2551, 0.2941, 0.3949 by changing the saturation by 10% instead.


 84.2551, 0.2941,
0.3949

 84.2551, 0.2941,
0.3949


509.1600, 0.3032,
0.3638

 63.2261, 0.2919,
0.4021


 139.3320, 0.2973,
0.3840

 46.0241, 0.2892,
0.4112

174.1486, 0.2986,
0.3798

 32.2649, 0.2856,
0.4227

214.3299, 0.2996,
0.3762

 21.5639, 0.2807,
0.4379

260.2602, 0.3005,
0.3730

 13.5368, 0.2739,
0.4589

312.3240, 0.3013,
0.3703

 7.7992, 0.2635,
0.4896

370.9056, 0.3020,

 3.9667, 0.2463,

0.3679

0.5382

436.3895, 0.3026,
0.3657

■ 1.6550, 0.2137,
0.6715

■ 0.3942, 0.0000,
1.0000

■ 84.2551, 0.2941,
0.3949

■ 84.2551, 0.2941,
0.3949

■ 80.9095, 0.2894,
0.4194

■ 88.2482, 0.2995,
0.3724

■ 78.1709, 0.2856,
0.4453

■ 92.9155, 0.3052,
0.3520

■ 76.0029, 0.2832,
0.4718

■ 98.2890, 0.3110,
0.3339

■ 74.3625, 0.2824,
0.4981

100.0000, 0.3127,
0.3290

■ 73.2004, 0.2832,
0.5227

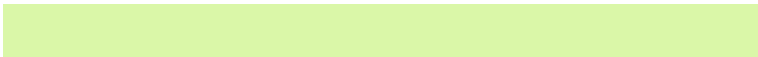
■ 72.4573, 0.2858,
0.5445

■ 72.1256, 0.2883,
0.5578

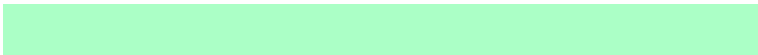
Harmonies

Analogous

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



84.2551, 0.3413, 0.4151



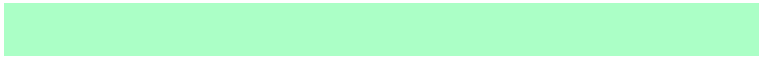
84.2551, 0.2941, 0.3949



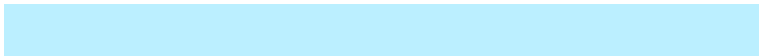
84.2551, 0.2539, 0.3522

Triad

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



84.2551, 0.2941, 0.3949



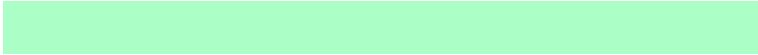
84.2551, 0.2439, 0.2539



84.2551, 0.4029, 0.3417

Complementary

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



84.2551, 0.2941, 0.3949



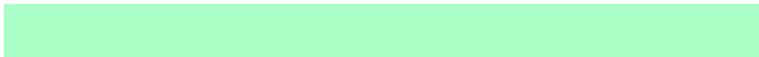
56.0043, 0.3383, 0.2713

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.



84.2551, 0.3728, 0.3045



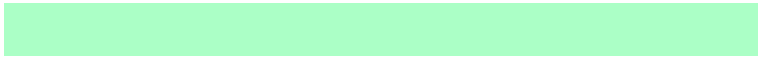
84.2551, 0.2941, 0.3949



84.2551, 0.2792, 0.2558

Square

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



84.2551, 0.2941, 0.3949



84.2551, 0.2268, 0.2705



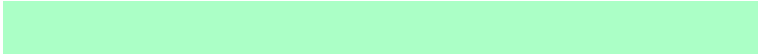
84.2551, 0.3263, 0.2740



84.2551, 0.4061, 0.3788

Rectangle

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



84.2551, 0.2941, 0.3949



84.2551, 0.2358, 0.3203



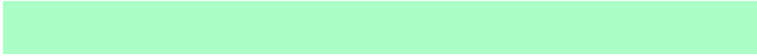
84.2551, 0.3263, 0.2740



84.2551, 0.3956, 0.3289

Sweetspot

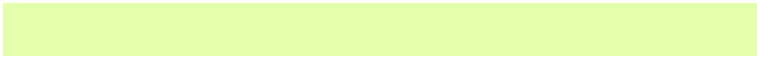
The Sweet Spot groups the original color and five complimentary colors.



84.2570, 0.2941, 0.3949



94.4144, 0.3069, 0.3465



91.0228, 0.3445, 0.4168



20.0529, 0.3060, 0.3491



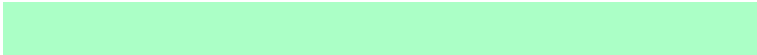
0.0000, 0.0000, 0.0000



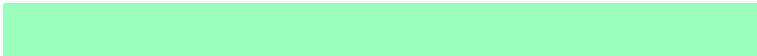
21.4041, 0.3127, 0.3290

Same Dimension

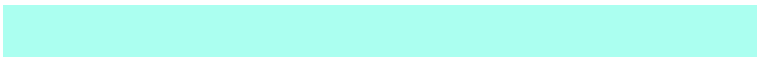
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2570, 0.2941, 0.3949



81.8250, 0.2907, 0.4120



86.4496, 0.2730, 0.3459



20.2642, 0.3072, 0.3456



37.7112, 0.2875, 0.5549



3.6907, 0.2812, 0.5324

Inverse Universe

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



56.0043, 0.3383, 0.2713



49.3322, 0.3456, 0.2589



53.9620, 0.3754, 0.3130



18.1954, 0.3187, 0.3130



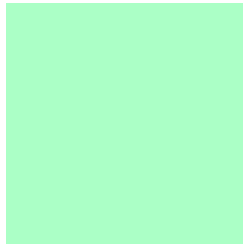
12.7186, 0.4228, 0.2103



1.2583, 0.4082, 0.2022

Previews

White Background



This preview shows how the Yxy color 84.2551, 0.2941, 0.3949 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 84.2551, 0.2941, 0.3949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

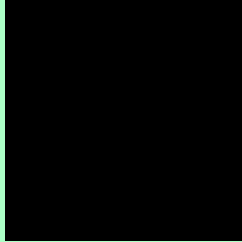
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

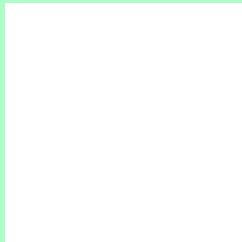
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2551, 0.2941, 0.3949

Background



This preview shows how black text looks on a background with the Yxy color 84.2551, 0.2941, 0.3949.

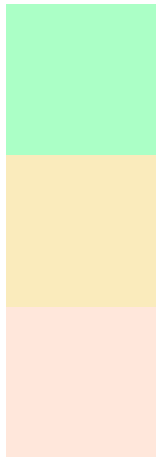


This preview shows how white text looks on a background with the Yxy color 84.2551, 0.2941, 0.3949.

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

84.2551, 0.2941, 0.3949

Protanopia

83.3715, 0.3537, 0.3770

Deuteranopia

83.5263, 0.3373, 0.3410



Tritanopia

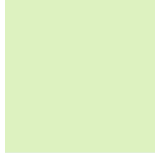
83.7034, 0.2824, 0.3153

Trichromacy



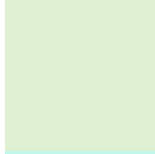
Original Color

84.2551, 0.2941, 0.3949



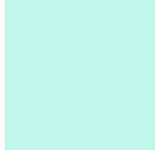
Protanomaly

82.6822, 0.3293, 0.3831



Deuteranomaly

82.8706, 0.3199, 0.3599



Tritanomaly

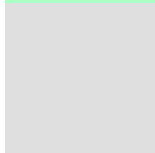
83.7995, 0.2870, 0.3431

Monochromacy



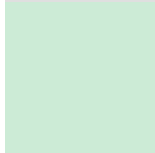
Original Color

84.2551, 0.2941, 0.3949



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.1091, 0.3050, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2551, 0.2941, 0.3949 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, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 198)  
}
```

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, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 198) }
```

Border

The CSS property to change the border of an element to Yxy 84.2551, 0.2941, 0.3949 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, 255, 198) }
```

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

```
.border{ border-color:rgb(171, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 255, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 255, 198); box-shadow:4px 4px 4px 4px rgb(171, 255, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2551, 0.2941, 0.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 198) }
```

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

```
.background{ background-color: rgb(171,  
255, 198) }
```

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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