

Converting Colors

$Yxy(87.0754, 0.2959, 0.4037)$

Have a look what the booklet for
Yxy(87.0754, 0.2959, 0.4037)
contains.

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Color

Yxy(84.1181, 0.2956, 0.3985)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFC3
RGB	171, 255, 195
RGB Percent	67%, 100%, 76%
CMY	0.3296, 0.0000, 0.2353
CMYK	0.33, 0.00, 0.24, 0.00
HSL	137°, 100%, 84%
HSV	137°, 33%, 100%
XYZ	62.3973, 84.1181, 64.5715
YIQ	223.0440, -30.8040, -36.4680

Conversions

Conversions Part 2

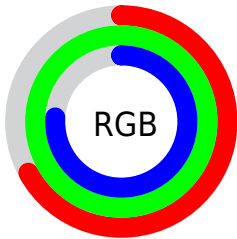
Format	Color
RYB	171, 236, 255
Decimal	11272131
CIELab	93.50, -37.43, 20.76
CIELCh	94, 42.808, 150.983
Yxy	84.1181, 0.2956, 0.3985
Android (android.graphics.Color)	4289462211 (0xFFABFFC3)
YUV	223.0440, -13.8257, -45.6426
Hunter-Lab	91.7159, -39.0636, 22.4588

Details

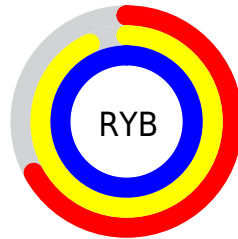
The Yxy color **84.1181, 0.2956, 0.3985** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.1384, 0.3358, 0.2685**, and the grayscale version is **73.9309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0423, 0.2980, 0.3320**, and **46.0243, 0.2911, 0.4161** is the 20% darker color. If you saturate the color by 10%, you get **80.7473, 0.2913, 0.4243**, and if you desaturate by 10%, it is **88.1318, 0.3005, 0.3747**.

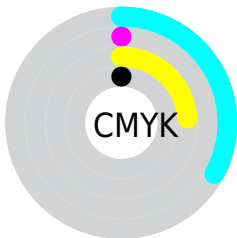
Distribution



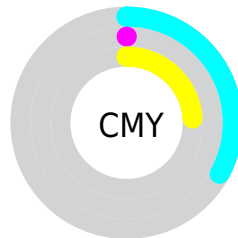
- Red (67%)
- Green (100%)
- Blue (76%)



- Red (67%)
- Yellow (93%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1181, 0.2956, 0.3985 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 84.1181, 0.2956, 0.3985 by changing the saturation by 10% instead.

 84.1181, 0.2956,
0.3985

 84.1181, 0.2956,
0.3985


508.7053, 0.3041,
0.3656

 63.1129, 0.2935,
0.4062

 139.1404, 0.2987,
0.3870

 45.9326, 0.2909,
0.4157


173.9263, 0.2998,
0.3825

 32.1926, 0.2875,
0.4279

214.0745, 0.3008,
0.3787

 21.5087, 0.2828,
0.4440

259.9696, 0.3016,
0.3754

 13.4963, 0.2761,
0.4663

311.9958, 0.3024,
0.3725

 7.7712, 0.2658,
0.4988

370.5376, 0.3030,

 3.9489, 0.2484,

0.3699

0.5504

435.9793, 0.3036,
0.3677

■ 1.6450, 0.2178,
0.7067

■ 0.3877, 0.0000,
1.0000

■ 84.1181, 0.2956,
0.3985

■ 84.1181, 0.2956,
0.3985

■ 80.7473, 0.2913,
0.4243

■ 88.1318, 0.3005,
0.3747

■ 77.9987, 0.2878,
0.4515

■ 92.8359, 0.3058,
0.3533

■ 75.8284, 0.2856,
0.4793

■ 98.2560, 0.3111,
0.3342

■ 74.1929, 0.2849,
0.5064

100.0000, 0.3127,
0.3290

■ 73.0421, 0.2858,
0.5315

■ 72.3160, 0.2882,
0.5532

■ 72.0000, 0.2906,
0.5660

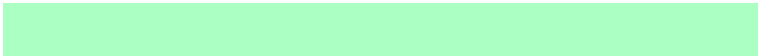
Harmonies

Analogous

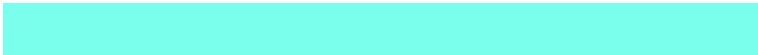
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1181, 0.3441, 0.4179



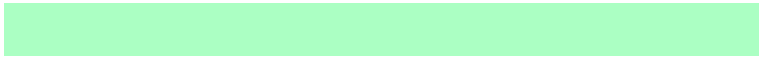
84.1181, 0.2956, 0.3985



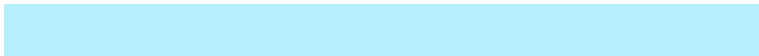
84.1181, 0.2538, 0.3551

Triad

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



84.1181, 0.2956, 0.3985



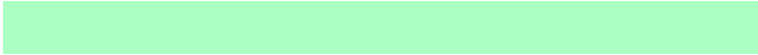
84.1181, 0.2408, 0.2522



84.1181, 0.4047, 0.3401

Complementary

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



84.1181, 0.2956, 0.3985



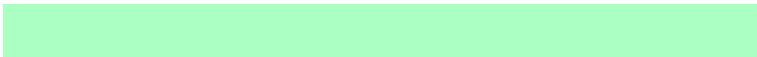
56.1384, 0.3358, 0.2685

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.



84.1181, 0.3726, 0.3022



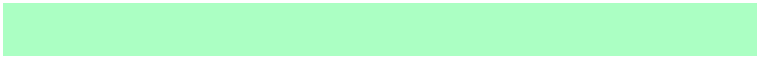
84.1181, 0.2956, 0.3985



84.1181, 0.2763, 0.2535

Square

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



84.1181, 0.2956, 0.3985



84.1181, 0.2242, 0.2700



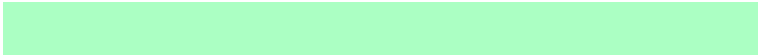
84.1181, 0.3244, 0.2714



84.1181, 0.4093, 0.3784

Rectangle

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



84.1181, 0.2956, 0.3985



84.1181, 0.2347, 0.3221



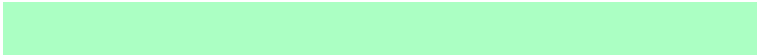
84.1181, 0.3244, 0.2714



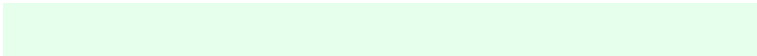
84.1181, 0.3967, 0.3271

Sweetspot

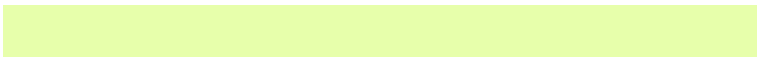
The Sweet Spot groups the original color and five complimentary colors.



84.1132, 0.2956, 0.3985



94.3627, 0.3074, 0.3474



91.4791, 0.3464, 0.4163



20.0405, 0.3066, 0.3502



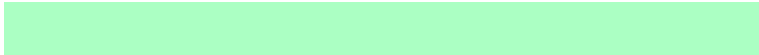
0.0000, 0.0000, 0.0000



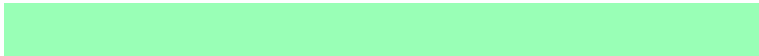
21.4041, 0.3127, 0.3290

Same Dimension

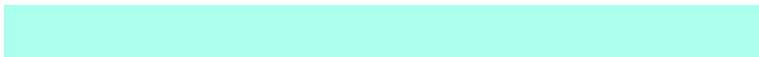
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1132, 0.2956, 0.3985



81.6766, 0.2925, 0.4165



86.2757, 0.2744, 0.3491



20.2536, 0.3076, 0.3464



37.6436, 0.2898, 0.5633



3.6831, 0.2837, 0.5412

Inverse Universe

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



56.1384, 0.3358, 0.2685



49.5242, 0.3424, 0.2556



54.0522, 0.3729, 0.3101



18.2066, 0.3182, 0.3122



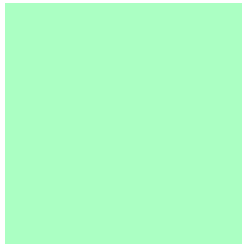
12.9024, 0.4096, 0.2030



1.2751, 0.3971, 0.1961

Previews

White Background



This preview shows how the Yxy color 84.1181, 0.2956, 0.3985 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 84.1181, 0.2956, 0.3985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

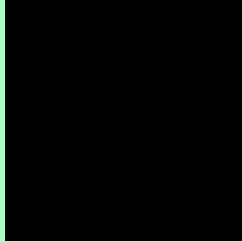
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.1181, 0.2956, 0.3985

Background



This preview shows how black text looks on a background with the Yxy color 84.1181, 0.2956, 0.3985.

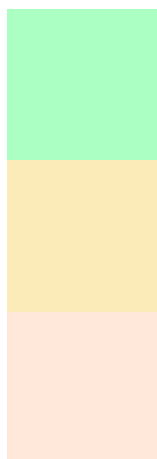


This preview shows how white text looks on a background with the Yxy color 84.1181, 0.2956, 0.3985.

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

84.1181, 0.2956, 0.3985

Protanopia

83.2434, 0.3557, 0.3801

Deuteranopia

83.4216, 0.3386, 0.3431



Tritanopia

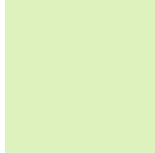
83.7034, 0.2824, 0.3153

Trichromacy



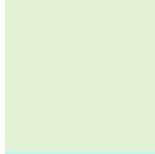
Original Color

84.1181, 0.2956, 0.3985



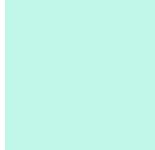
Protanomaly

82.5505, 0.3312, 0.3864



Deuteranomaly

82.7709, 0.3211, 0.3621



Tritanomaly

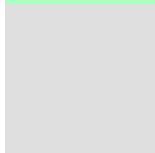
83.7422, 0.2876, 0.3442

Monochromacy



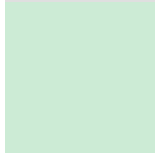
Original Color

84.1181, 0.2956, 0.3985



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0581, 0.3056, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1181, 0.2956, 0.3985 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 195) }
```

Border

The CSS property to change the border of an element to Yxy 84.1181, 0.2956, 0.3985 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, 195) }
```

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

```
.border{ border-color:rgb(171, 255, 195) }
```

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, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1181, 0.2956, 0.3985 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, 195) }
```

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

```
.background{ background-color: rgb(171,  
255, 195) }
```

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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