

Converting Colors

$Y_{xy}(114.5067, 0.2939, 0.4244)$

Have a look what the booklet for
Yxy(114.5067, 0.2939, 0.4244)
contains.

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Color

Yxy(85.0902, 0.2921, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	AFFFCE
RGB	175, 255, 206
RGB Percent	69%, 100%, 81%
CMY	0.3138, 0.0000, 0.1922
CMYK	0.31, 0.00, 0.19, 0.00
HSL	143°, 100%, 84%
HSV	143°, 31%, 100%
XYZ	64.5748, 85.0902, 71.4059
YIQ	225.4940, -31.9510, -32.1990

Conversions

Conversions Part 2

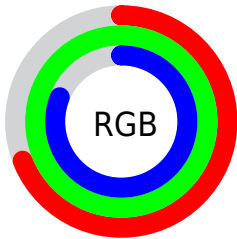
Format	Color
RYB	175, 233, 255
Decimal	11534286
CIELab	93.92, -34.25, 15.76
CIELCh	94, 37.700, 155.291
Yxy	85.0902, 0.2921, 0.3849
Android (android.graphics.Color)	4289724366 (0xFFAFFCE)
YUV	225.4940, -9.6105, -44.2832
Hunter-Lab	92.2443, -36.4703, 18.6749

Details

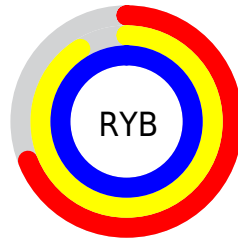
The Yxy color **85.0902, 0.2921, 0.3849** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.2929, 0.3412, 0.2792**, and the grayscale version is **75.7506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **46.6482, 0.2868, 0.3980** is the 20% darker color. If you saturate the color by 10%, you get **81.6887, 0.2866, 0.4066**, and if you desaturate by 10%, it is **89.1183, 0.2983, 0.3650**.

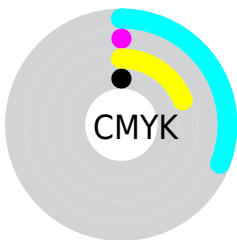
Distribution



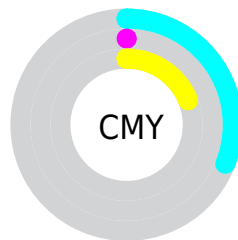
- Red (69%)
- Green (100%)
- Blue (81%)



- Red (69%)
- Yellow (91%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0902, 0.2921, 0.3849 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 85.0902, 0.2921, 0.3849 by changing the saturation by 10% instead.


 85.0902, 0.2921,
0.3849

 85.0902, 0.2921,
0.3849


511.9265, 0.3019,
0.3587

 63.9159, 0.2898,
0.3910


 140.4992, 0.2955,
0.3757

 46.5826, 0.2870,
0.3985


175.5027, 0.2969,
0.3722

 32.7058, 0.2833,
0.4081


215.8847, 0.2980,
0.3692

 21.9012, 0.2784,
0.4207

262.0296, 0.2990,
0.3665

 13.7843, 0.2717,
0.4380

314.3219, 0.2998,
0.3642

 7.9708, 0.2618,
0.4633


373.1459, 0.3006,


 4.0763, 0.2457,

0.3622

0.5031


438.8859, 0.3013,
0.3603


 1.7163, 0.2152,
0.5875


 0.4342, 0.0000,
1.0000


 85.0902, 0.2921,
0.3849


 85.0902, 0.2921,
0.3849


 81.6887, 0.2866,
0.4066


 89.1183, 0.2983,
0.3650

 78.8891, 0.2820,
0.4297

 93.8130, 0.3050,
0.3471

 76.6514, 0.2789,
0.4537

 99.2001, 0.3118,
0.3311

 74.9346, 0.2774,
0.4779

100.0000, 0.3127,
0.3290

■ 73.6917, 0.2779,
0.5013

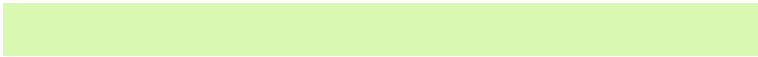
■ 72.8666, 0.2802,
0.5230

■ 72.4175, 0.2833,
0.5398

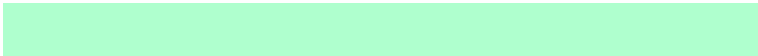
Harmonies

Analogous

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



85.0902, 0.3348, 0.4056



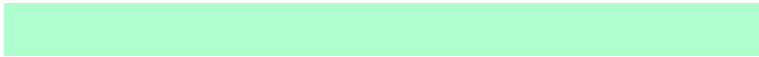
85.0902, 0.2921, 0.3849



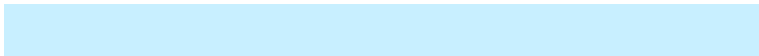
85.0902, 0.2566, 0.3458

Triad

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



85.0902, 0.2921, 0.3849



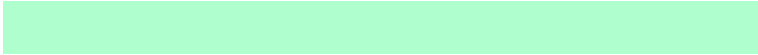
85.0902, 0.2527, 0.2601



85.0902, 0.3955, 0.3445

Complementary

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



85.0902, 0.2921, 0.3849



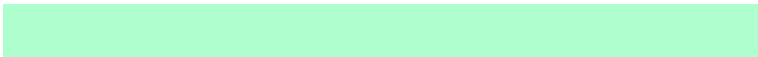
57.2929, 0.3412, 0.2792

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.



85.0902, 0.3705, 0.3101



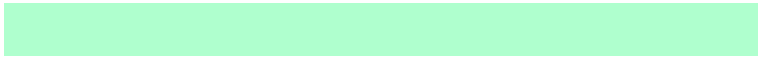
85.0902, 0.2921, 0.3849



85.0902, 0.2864, 0.2633

Square

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



85.0902, 0.2921, 0.3849



85.0902, 0.2352, 0.2739



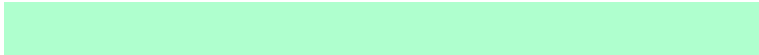
85.0902, 0.3296, 0.2813



85.0902, 0.3961, 0.3777

Rectangle

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



85.0902, 0.2921, 0.3849



85.0902, 0.2412, 0.3174



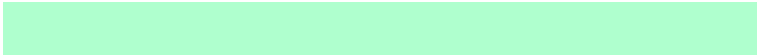
85.0902, 0.3296, 0.2813



85.0902, 0.3896, 0.3328

Sweetspot

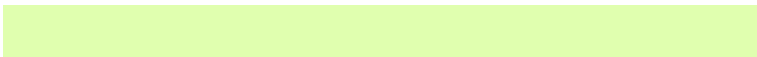
The Sweet Spot groups the original color and five complimentary colors.



85.0873, 0.2921, 0.3849



95.0317, 0.3066, 0.3431



90.5136, 0.3395, 0.4134



20.1803, 0.3056, 0.3455



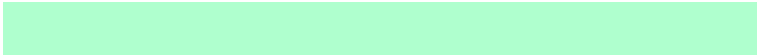
0.0000, 0.0000, 0.0000



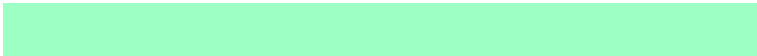
21.4041, 0.3127, 0.3290

Same Dimension

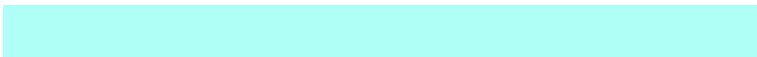
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0873, 0.2921, 0.3849



82.7690, 0.2883, 0.3990



87.2647, 0.2721, 0.3391



20.2847, 0.3062, 0.3439



37.8668, 0.2824, 0.5367



3.7076, 0.2761, 0.5140

Inverse Universe

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



57.2929, 0.3412, 0.2792



50.7809, 0.3493, 0.2685



55.3856, 0.3763, 0.3194



18.1741, 0.3198, 0.3145



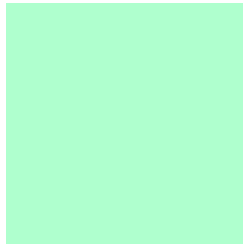
12.3963, 0.4493, 0.2249



1.2284, 0.4307, 0.2146

Previews

White Background



This preview shows how the Yxy color 85.0902, 0.2921, 0.3849 looks on a white background.

Color Contrast Check

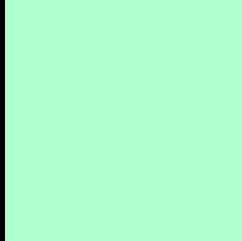
Large Text (above 18pt) WCAG AA × Fail

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 85.0902, 0.2921, 0.3849 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 85.0902, 0.2921, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 85.0902, 0.2921, 0.3849.

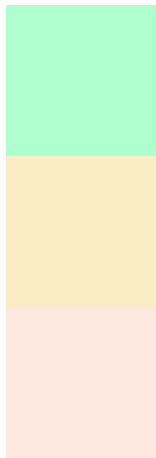


This preview shows how white text looks on a background with the Yxy color 85.0902, 0.2921, 0.3849.

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

85.0902, 0.2921, 0.3849

Protanopia

84.3461, 0.3475, 0.3687

Deuteranopia

84.3009, 0.3345, 0.3380



Tritanopia

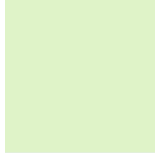
84.8765, 0.2848, 0.3164

Trichromacy



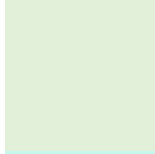
Original Color

85.0902, 0.2921, 0.3849



Protanomaly

83.9593, 0.3257, 0.3750



Deuteranomaly

83.4987, 0.3175, 0.3533



Tritanomaly

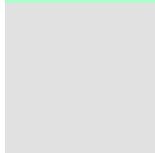
84.5063, 0.2877, 0.3397

Monochromacy



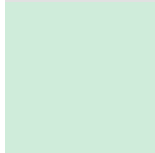
Original Color

85.0902, 0.2921, 0.3849



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.3183, 0.3045, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0902, 0.2921, 0.3849 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(175, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 206)  
}
```

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(175, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 85.0902, 0.2921, 0.3849 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(175, 255, 206) }
```

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

```
.border{ border-color:rgb(175, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0902, 0.2921, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 206) }
```

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

```
.background{ background-color: rgb(175,  
255, 206) }
```

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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