

Converting Colors

$Yxy(85.2277, 0.2846, 0.3723)$

Have a look what the booklet for
Yxy(85.2277, 0.2846, 0.3723)
contains.

Yxy(85.1877, 0.2843, 0.3721)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.1877, 0.2843, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFD9
RGB	171, 255, 217
RGB Percent	67%, 100%, 85%
CMY	0.3292, 0.0000, 0.1490
CMYK	0.33, 0.00, 0.15, 0.00
HSL	153°, 100%, 84%
HSV	153°, 33%, 100%
XYZ	65.0870, 85.1877, 78.6630
YIQ	225.5520, -37.8660, -29.6260

Conversions

Conversions Part 2

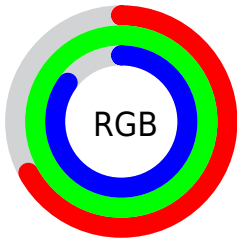
Format	Color
RYB	171, 225, 255
Decimal	11272153
CIELab	93.96, -33.27, 10.13
CIElCh	94, 34.779, 163.060
Yxy	85.1877, 0.2843, 0.3721
Android (android.graphics.Color)	4289462233 (0xFFABFFD9)
YUV	225.5520, -4.2161, -47.8421
Hunter-Lab	92.2972, -35.6438, 14.0764

Details

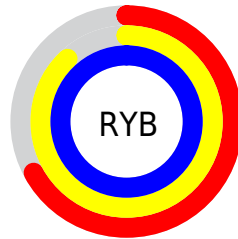
The Yxy color **85.1877, 0.2843, 0.3721** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.0081, 0.3548, 0.2899**, and the grayscale version is **75.7737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **46.7098, 0.2779, 0.3827** is the 20% darker color. If you saturate the color by 10%, you get **82.0179, 0.2772, 0.3879**, and if you desaturate by 10%, it is **88.9589, 0.2923, 0.3575**.

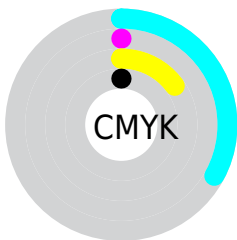
Distribution



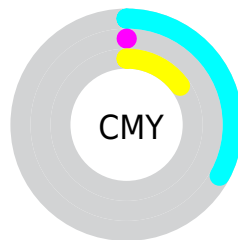
- Red (67%)
- Green (100%)
- Blue (85%)



- Red (67%)
- Yellow (88%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1877, 0.2843, 0.3721 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 85.1877, 0.2843, 0.3721 by changing the saturation by 10% instead.

 85.1877, 0.2843,
0.3721

 85.1877, 0.2843,
0.3721

512.2490, 0.2974,
0.3521

 63.9965, 0.2813,
0.3767


 140.6354, 0.2888,
0.3651

 46.6478, 0.2777,
0.3824


175.6607, 0.2906,
0.3624

 32.7573, 0.2731,
0.3896


216.0661, 0.2921,
0.3601

 21.9406, 0.2671,
0.3990

262.2360, 0.2934,
0.3581

 13.8133, 0.2590,
0.4119

314.5549, 0.2946,
0.3563

 7.9909, 0.2474,
0.4306

373.4070, 0.2956,

 4.0891, 0.2296,

0.3547

0.4598

439.1769, 0.2965,
0.3533

■ 1.7235, 0.1958,
0.5137

■ 0.4388, 0.0000,
1.0000

■ 85.1877, 0.2843,
0.3721

■ 85.1877, 0.2843,
0.3721

■ 82.0179, 0.2772,
0.3879

■ 88.9589, 0.2923,
0.3575

■ 79.4062, 0.2714,
0.4048

■ 93.3511, 0.3010,
0.3442

■ 77.3202, 0.2672,
0.4224

■ 98.3959, 0.3100,
0.3322

■ 75.7195, 0.2649,
0.4404

99.9977, 0.3127,
0.3290

■ 74.5575, 0.2647,
0.4583

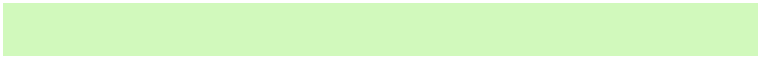
■ 73.7779, 0.2665,
0.4757

■ 73.3997, 0.2688,
0.4875

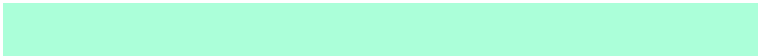
Harmonies

Analogous

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



85.1877, 0.3231, 0.3966



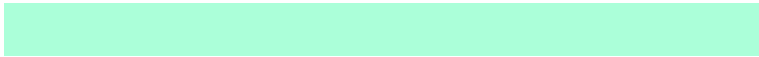
85.1877, 0.2843, 0.3721



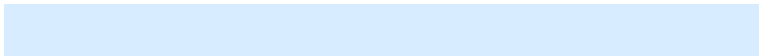
85.1877, 0.2544, 0.3344

Triad

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



85.1877, 0.2843, 0.3721



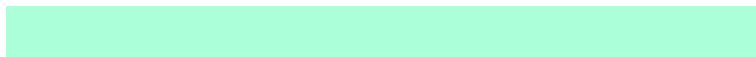
85.1877, 0.2641, 0.2644



85.1877, 0.3914, 0.3521

Complementary

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



85.1877, 0.2843, 0.3721



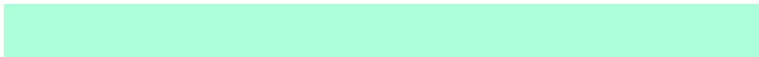
55.0081, 0.3548, 0.2899

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.



85.1877, 0.3738, 0.3197



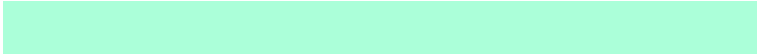
85.1877, 0.2843, 0.3721



85.1877, 0.2984, 0.2711

Square

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



85.1877, 0.2843, 0.3721



85.1877, 0.2434, 0.2733



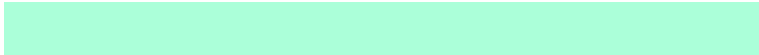
85.1877, 0.3389, 0.2909



85.1877, 0.3861, 0.3812

Rectangle

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



85.1877, 0.2843, 0.3721



85.1877, 0.2429, 0.3091



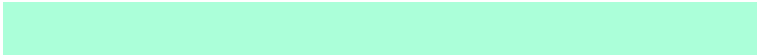
85.1877, 0.3389, 0.2909



85.1877, 0.3879, 0.3413

Sweetspot

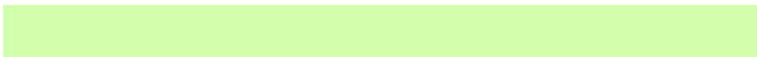
The Sweet Spot groups the original color and five complimentary colors.



85.1912, 0.2843, 0.3721



94.7594, 0.3036, 0.3406



88.1943, 0.3324, 0.4203



20.1362, 0.3024, 0.3423



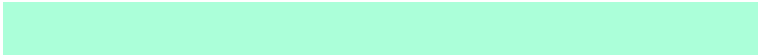
0.0000, 0.0000, 0.0000



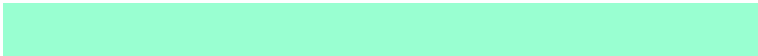
21.4041, 0.3127, 0.3290

Same Dimension

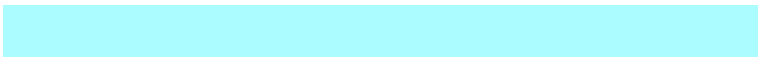
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1912, 0.2843, 0.3721



82.8881, 0.2792, 0.3832



85.6283, 0.2653, 0.3258



20.3346, 0.3041, 0.3400



38.3847, 0.2680, 0.4848



3.7594, 0.2626, 0.4654

Inverse Universe

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



55.0081, 0.3548, 0.2899



48.1732, 0.3677, 0.2813



54.4138, 0.3889, 0.3322



18.1238, 0.3223, 0.3183



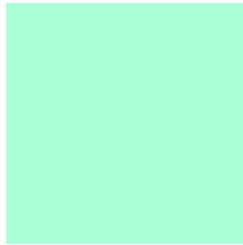
11.7894, 0.5166, 0.2619



1.1696, 0.4887, 0.2466

Previews

White Background



This preview shows how the Yxy color 85.1877, 0.2843, 0.3721 looks on a white background.

Color Contrast Check

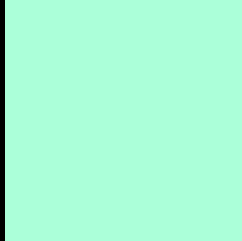
Large Text (above 18pt) WCAG AA × Fail

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 85.1877, 0.2843, 0.3721 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 85.1877, 0.2843, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 85.1877, 0.2843, 0.3721.

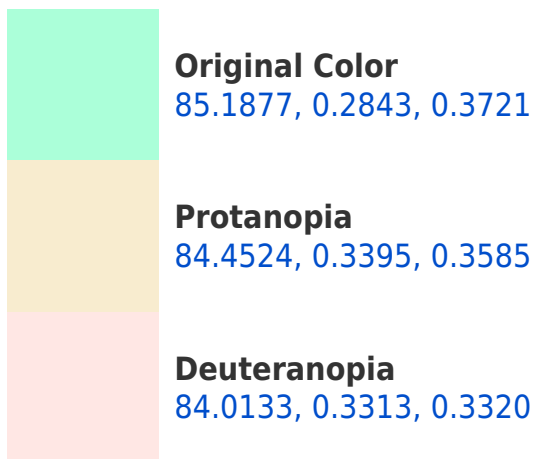


This preview shows how white text looks on a background with the Yxy color 85.1877, 0.2843, 0.3721.

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





Tritanopia

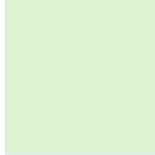
84.7311, 0.2842, 0.3164

Trichromacy



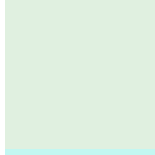
Original Color

85.1877, 0.2843, 0.3721



Protanomaly

84.0200, 0.3170, 0.3632



Deuteranomaly

83.5493, 0.3119, 0.3458



Tritanomaly

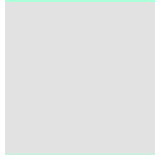
84.4745, 0.2845, 0.3354

Monochromacy



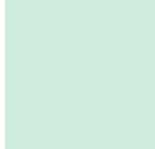
Original Color

85.1877, 0.2843, 0.3721



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.0179, 0.3009, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1877, 0.2843, 0.3721 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 85.1877, 0.2843, 0.3721 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, 217) }
```

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

```
.border{ border-color:rgb(171, 255, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1877, 0.2843, 0.3721 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, 217) }
```

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

```
.background{ background-color: rgb(171,  
255, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor