

Converting Colors

$Y_{xy}(117.3151, 0.2901, 0.4159)$

Have a look what the booklet for
Yxy(117.3151, 0.2901, 0.4159)
contains.

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Color

Yxy(85.6564, 0.2880, 0.3742)

Conversions

Conversions Part 1

Format	Color
Hex	B0FFD7
RGB	176, 255, 215
RGB Percent	69%, 100%, 84%
CMY	0.3098, 0.0000, 0.1570
CMYK	0.31, 0.00, 0.16, 0.00
HSL	150°, 100%, 85%
HSV	150°, 31%, 100%
XYZ	65.9248, 85.6564, 77.3242
YIQ	226.8190, -34.2440, -29.1880

Conversions

Conversions Part 2

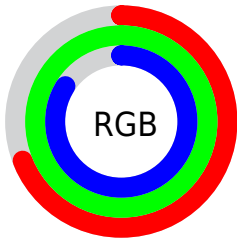
Format	Color
RYB	176, 229, 255
Decimal	11599831
CIELab	94.17, -32.25, 11.50
CIElCh	94, 34.245, 160.370
Yxy	85.6564, 0.2880, 0.3742
Android (android.graphics.Color)	4289789911 (0xFFB0FFD7)
YUV	226.8190, -5.8268, -44.5683
Hunter-Lab	92.5507, -34.8166, 15.2499

Details

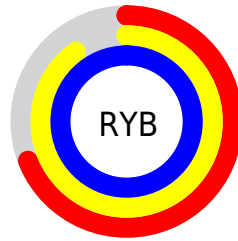
The Yxy color **85.6564, 0.2880, 0.3742** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.2667, 0.3479, 0.2880**, and the grayscale version is **76.7339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **46.9912, 0.2823, 0.3854** is the 20% darker color. If you saturate the color by 10%, you get **82.3172, 0.2813, 0.3918**, and if you desaturate by 10%, it is **89.6009, 0.2955, 0.3580**.

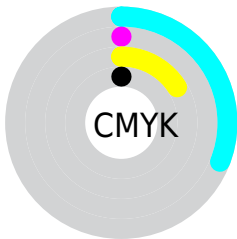
Distribution



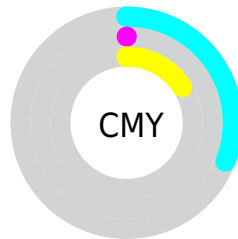
- Red (69%)
- Green (100%)
- Blue (84%)



- Red (69%)
- Yellow (90%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6564, 0.2880, 0.3742 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 85.6564, 0.2880, 0.3742 by changing the saturation by 10% instead.


 85.6564, 0.2880,
0.3742

 85.6564, 0.2880,
0.3742

513.7976, 0.2994,
0.3532

 64.3839, 0.2854,
0.3790


 141.2899, 0.2920,
0.3669

 46.9617, 0.2822,
0.3850


176.4197, 0.2935,
0.3641

 33.0054, 0.2781,
0.3926


216.9373, 0.2948,
0.3616

 22.1305, 0.2728,
0.4025

263.2273, 0.2960,
0.3595

 13.9529, 0.2655,
0.4161

315.6738, 0.2970,
0.3576

 8.0879, 0.2551,
0.4357


374.6615, 0.2979,


 4.1512, 0.2389,

0.3560

0.4666


440.5746, 0.2987,
0.3545

 1.7585, 0.2090,
0.5226


 0.4611, 0.0000,
1.0000


 85.6564, 0.2880,
0.3742

 85.6564, 0.2880,
0.3742


 82.3172, 0.2813,
0.3918


 89.6009, 0.2955,
0.3580

 79.5588, 0.2757,
0.4107

 94.1890, 0.3036,
0.3433

 77.3430, 0.2717,
0.4304

 99.4458, 0.3119,
0.3302

 75.6300, 0.2694,
0.4506

100.0000, 0.3127,
0.3290

■ 74.3740, 0.2692,
0.4706

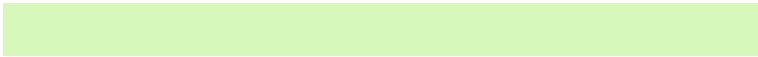
■ 73.5208, 0.2710,
0.4899

■ 73.0209, 0.2740,
0.5063

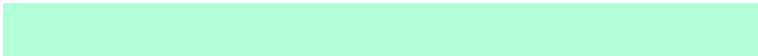
Harmonies

Analogous

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



85.6564, 0.3264, 0.3965



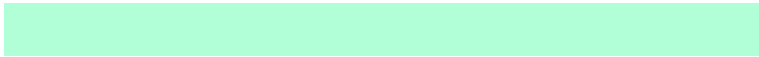
85.6564, 0.2880, 0.3742



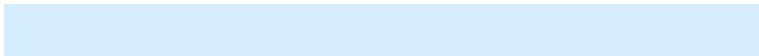
85.6564, 0.2575, 0.3378

Triad

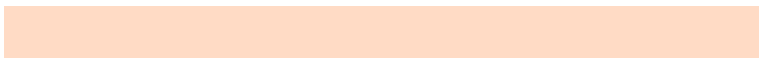
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6564, 0.2880, 0.3742



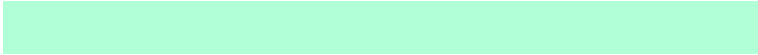
85.6564, 0.2624, 0.2656



85.6564, 0.3893, 0.3489

Complementary

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



85.6564, 0.2880, 0.3742



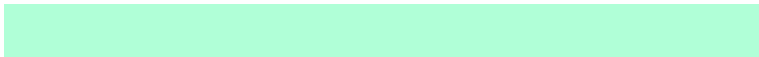
57.2667, 0.3479, 0.2880

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.



85.6564, 0.3702, 0.3171



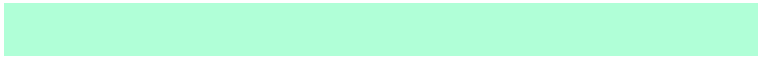
85.6564, 0.2880, 0.3742



85.6564, 0.2952, 0.2709

Square

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



85.6564, 0.2880, 0.3742



85.6564, 0.2435, 0.2758



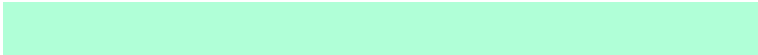
85.6564, 0.3349, 0.2893



85.6564, 0.3862, 0.3782

Rectangle

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



85.6564, 0.2880, 0.3742



85.6564, 0.2451, 0.3127



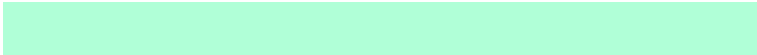
85.6564, 0.3349, 0.2893



85.6564, 0.3853, 0.3382

Sweetspot

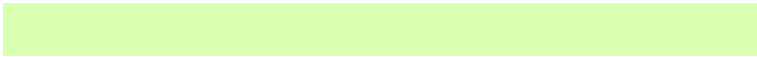
The Sweet Spot groups the original color and five complimentary colors.



85.6537, 0.2880, 0.3742



95.1777, 0.3052, 0.3406



89.3773, 0.3340, 0.4137



20.2162, 0.3040, 0.3426



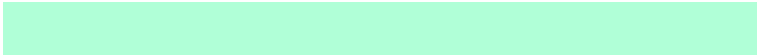
0.0000, 0.0000, 0.0000



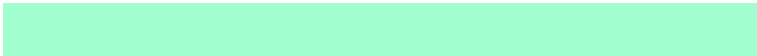
21.4041, 0.3127, 0.3290

Same Dimension

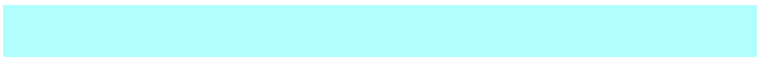
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6537, 0.2880, 0.3742



83.5751, 0.2838, 0.3846



87.8846, 0.2687, 0.3303



20.3176, 0.3048, 0.3413



38.1850, 0.2732, 0.5034



3.7400, 0.2673, 0.4824

Inverse Universe

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



57.2667, 0.3479, 0.2880



51.2042, 0.3572, 0.2798



55.4941, 0.3824, 0.3278



18.1407, 0.3214, 0.3170



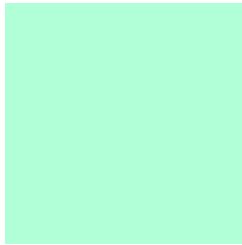
11.9702, 0.4936, 0.2493



1.1876, 0.4685, 0.2355

Previews

White Background



This preview shows how the Yxy color 85.6564, 0.2880, 0.3742 looks on a white background.

Color Contrast Check

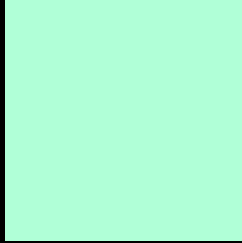
Large Text (above 18pt) WCAG AA × Fail

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 85.6564, 0.2880, 0.3742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

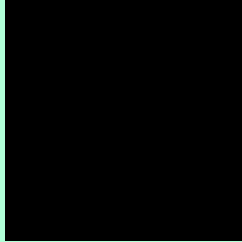
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.6564, 0.2880, 0.3742

Background



This preview shows how black text looks on a background with the Yxy color 85.6564, 0.2880, 0.3742.

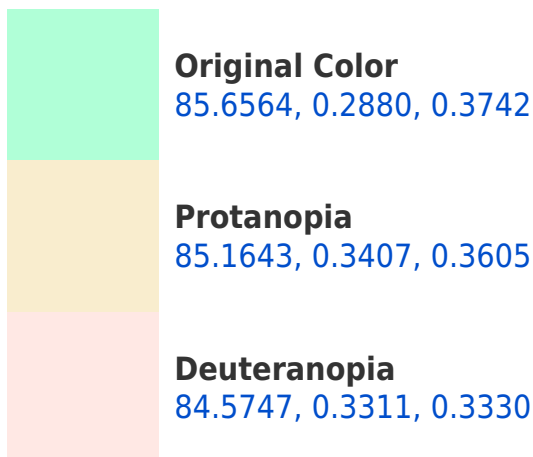


This preview shows how white text looks on a background with the Yxy color 85.6564, 0.2880, 0.3742.

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

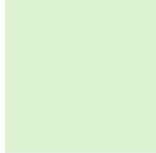
85.0228, 0.2854, 0.3164

Trichromacy



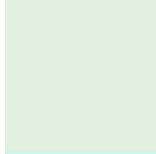
Original Color

85.6564, 0.2880, 0.3742



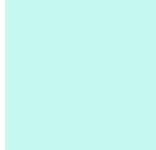
Protanomaly

84.8344, 0.3194, 0.3663



Deuteranomaly

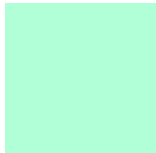
83.8166, 0.3139, 0.3468



Tritanomaly

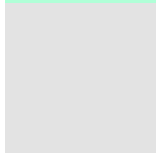
84.8186, 0.2867, 0.3365

Monochromacy



Original Color

85.6564, 0.2880, 0.3742



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.3060, 0.3022, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6564, 0.2880, 0.3742 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(176, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 215)  
}
```

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(176, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 215) }
```

Border

The CSS property to change the border of an element to Yxy 85.6564, 0.2880, 0.3742 is called "border". The border property can be set on classes, ids or directly on the HTML element.

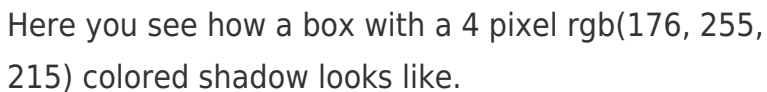
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 255, 215) }
```

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

```
.border{ border-color:rgb(176, 255, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 255, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 255, 215); box-shadow:4px 4px 4px 4px rgb(176, 255, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6564, 0.2880, 0.3742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 215) }
```

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

```
.background{ background-color: rgb(176,  
255, 215) }
```

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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