

Converting Colors

$Yxy(85.6373, 0.2972, 0.3778)$

Have a look what the booklet for
Yxy(85.6373, 0.2972, 0.3778)
contains.

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Color

Yxy(85.4685, 0.2967, 0.3771)

Conversions

Conversions Part 1

Format	Color
Hex	BBFDD2
RGB	187, 253, 210
RGB Percent	73%, 99%, 82%
CMY	0.2668, 0.0078, 0.1764
CMYK	0.26, 0.00, 0.17, 0.01
HSL	141°, 94%, 86%
HSV	141°, 26%, 99%
XYZ	67.2461, 85.4685, 73.9322
YIQ	228.3640, -25.5330, -27.3650

Conversions

Conversions Part 2

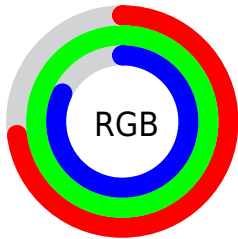
Format	Color
RYB	187, 236, 253
Decimal	12320210
CIELab	94.08, -28.97, 14.01
CIElCh	94, 32.181, 154.186
Yxy	85.4685, 0.2967, 0.3771
Android (android.graphics.Color)	4290510290 (0xFFBBFDD2)
YUV	228.3640, -9.0535, -36.2762
Hunter-Lab	92.4492, -31.9479, 17.2998

Details

The Yxy color **85.4685, 0.2967, 0.3771** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.1221, 0.3333, 0.2854**, and the grayscale version is **77.9426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **46.7519, 0.2928, 0.3893** is the 20% darker color. If you saturate the color by 10%, you get **81.7785, 0.2912, 0.3992**, and if you desaturate by 10%, it is **89.8122, 0.3027, 0.3570**.

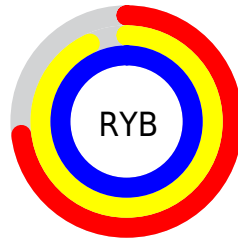
Distribution



Red (73%)

Green (99%)

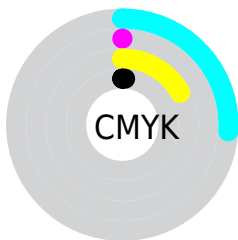
Blue (82%)



Red (73%)

Yellow (93%)

Blue (99%)

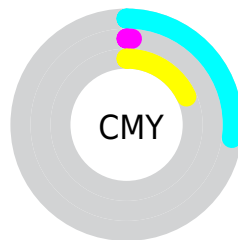


Cyan (26%)

Magenta (0%)

Yellow (17%)

Black (1%)



Cyan (27%)


Magenta (1%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.4685, 0.2967, 0.3771 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 85.4685, 0.2967, 0.3771 by changing the saturation by 10% instead.


 85.4685, 0.2967,
0.3771

 85.4685, 0.2967,
0.3771


513.1770, 0.3043,
0.3547

 64.2286, 0.2949,
0.3823


 141.0276, 0.2994,
0.3693

 46.8358, 0.2927,
0.3886


176.1155, 0.3004,
0.3663

 32.9059, 0.2899,
0.3967


216.5881, 0.3013,
0.3637

 22.0544, 0.2862,
0.4074

262.8300, 0.3020,
0.3614

 13.8968, 0.2810,
0.4220

315.2254, 0.3027,
0.3594

 8.0490, 0.2733,
0.4431

374.1588, 0.3033,

 4.1263, 0.2610,

0.3577

0.4762

440.0145, 0.3038,
0.3561

■ 1.7445, 0.2393,
0.5389

■ 0.4522, 0.0000,
1.0000

■ 85.4685, 0.2967,
0.3771

■ 85.4685, 0.2967,
0.3771

■ 81.7785, 0.2912,
0.3992

■ 89.8122, 0.3027,
0.3570

■ 78.6996, 0.2865,
0.4231

■ 94.8288, 0.3089,
0.3390

■ 76.2003, 0.2829,
0.4483

■ 98.7379, 0.3128,
0.3271

■ 74.2423, 0.2808,
0.4739

■ 72.7822, 0.2803,
0.4990

■ 71.7696, 0.2817,
0.5224

■ 71.1423, 0.2848,
0.5432

■ 70.9672, 0.2862,
0.5505

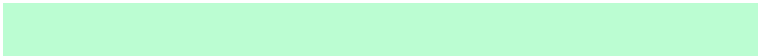
Harmonies

Analogous

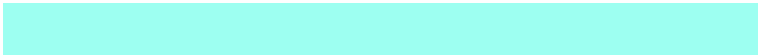
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4685, 0.3333, 0.3940



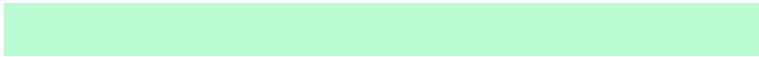
85.4685, 0.2967, 0.3771



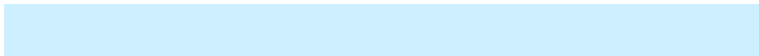
85.4685, 0.2656, 0.3448

Triad

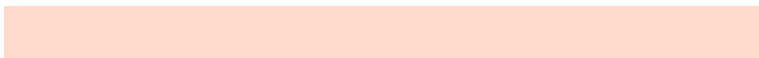
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4685, 0.2967, 0.3771



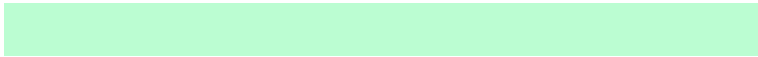
85.4685, 0.2604, 0.2699



85.4685, 0.3826, 0.3418

Complementary

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



85.4685, 0.2967, 0.3771



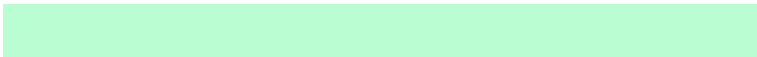
62.1221, 0.3333, 0.2854

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.



85.4685, 0.3608, 0.3120



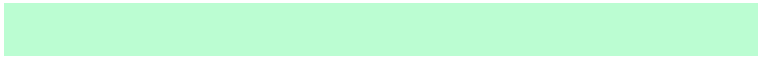
85.4685, 0.2967, 0.3771



85.4685, 0.2891, 0.2719

Square

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



85.4685, 0.2967, 0.3771



85.4685, 0.2457, 0.2828



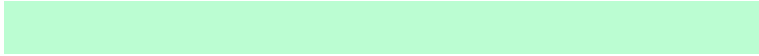
85.4685, 0.3259, 0.2871



85.4685, 0.3842, 0.3704

Rectangle

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



85.4685, 0.2967, 0.3771



85.4685, 0.2518, 0.3209



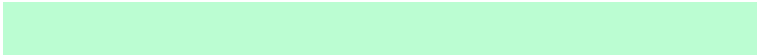
85.4685, 0.3259, 0.2871



85.4685, 0.3774, 0.3316

Sweetspot

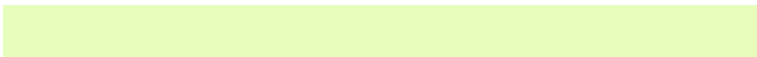
The Sweet Spot groups the original color and five complimentary colors.



85.4721, 0.2967, 0.3771



95.5081, 0.3077, 0.3422



90.8325, 0.3374, 0.3978



20.2728, 0.3068, 0.3449



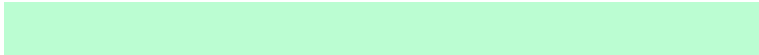
0.0000, 0.0000, 0.0000



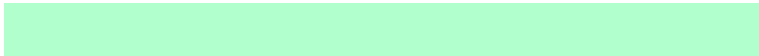
21.4041, 0.3127, 0.3290

Same Dimension

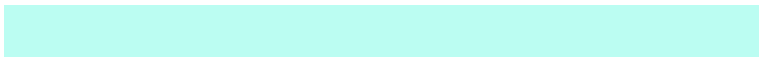
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4721, 0.2967, 0.3771



85.0816, 0.2939, 0.3877



87.2294, 0.2799, 0.3408



20.2728, 0.3068, 0.3449



37.7728, 0.2854, 0.5475



3.6975, 0.2791, 0.5248

Inverse Universe

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



62.1221, 0.3333, 0.2854



57.8601, 0.3382, 0.2769



60.4869, 0.3595, 0.3176



18.1864, 0.3192, 0.3136



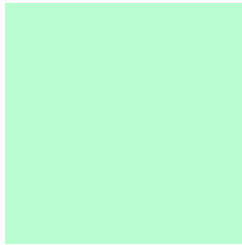
12.5771, 0.4338, 0.2163



1.2453, 0.4175, 0.2074

Previews

White Background



This preview shows how the Yxy color 85.4685, 0.2967, 0.3771 looks on a white background.

Color Contrast Check

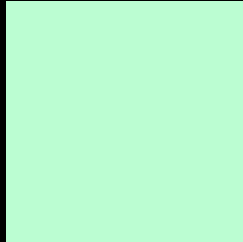
Large Text (above 18pt) WCAG AA × Fail

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 85.4685, 0.2967, 0.3771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

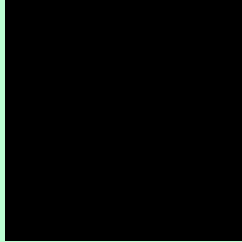
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.4685, 0.2967, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 85.4685, 0.2967, 0.3771.

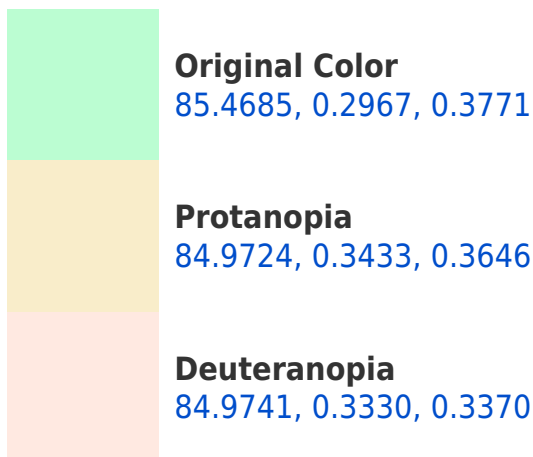


This preview shows how white text looks on a background with the Yxy color 85.4685, 0.2967, 0.3771.

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

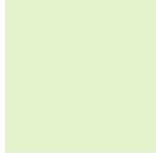
84.8704, 0.2871, 0.3155

Trichromacy



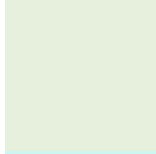
Original Color

85.4685, 0.2967, 0.3771



Protanomaly

84.6777, 0.3246, 0.3693



Deuteranomaly

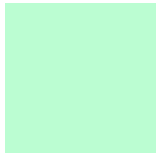
84.3105, 0.3184, 0.3499



Tritanomaly

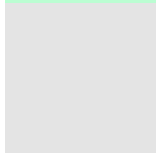
84.9809, 0.2907, 0.3364

Monochromacy



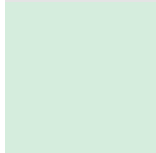
Original Color

85.4685, 0.2967, 0.3771



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.9350, 0.3066, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4685, 0.2967, 0.3771 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(187, 253, 210)` looks like.

```
.text, #text, p{  
    color:rgb(187, 253, 210)  
}
```

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(187, 253, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 253, 210) }
```

Border

The CSS property to change the border of an element to Yxy 85.4685, 0.2967, 0.3771 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(187, 253, 210) }
```

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

```
.border{ border-color:rgb(187, 253, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 253, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 253, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 253, 210); box-shadow:4px 4px 4px 4px rgb(187, 253, 210) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4685, 0.2967, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 253, 210) }
```

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

```
.background{ background-color: rgb(187,  
253, 210) }
```

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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