

Converting Colors

$Y_{xy}(100.5153, 0.2895, 0.3893)$

Have a look what the booklet for
Yxy(100.5153, 0.2895, 0.3893)
contains.

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Color

Yxy(86.5111, 0.2881, 0.3680)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFDC
RGB	181, 255, 220
RGB Percent	71%, 100%, 86%
CMY	0.2904, 0.0000, 0.1372
CMYK	0.29, 0.00, 0.14, 0.00
HSL	152°, 100%, 85%
HSV	152°, 29%, 100%
XYZ	67.7278, 86.5111, 80.8456
YIQ	228.8840, -32.8690, -26.5730

Conversions

Conversions Part 2

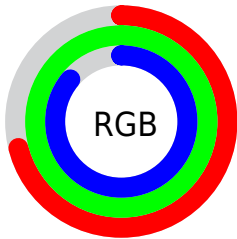
Format	Color
RYB	181, 229, 255
Decimal	11927516
CIELab	94.53, -29.83, 9.47
CIElCh	95, 31.296, 162.395
Yxy	86.5111, 0.2881, 0.3680
Android (android.graphics.Color)	4290117596 (0xFFB5FFDC)
YUV	228.8840, -4.3798, -41.9943
Hunter-Lab	93.0113, -32.7919, 13.5730

Details

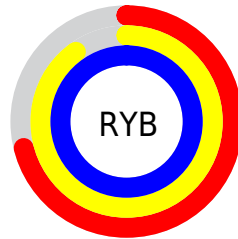
The Yxy color **86.5111, 0.2881, 0.3680** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.2462, 0.3471, 0.2932**, and the grayscale version is **78.3066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **47.5404, 0.2824, 0.3772** is the 20% darker color. If you saturate the color by 10%, you get **83.0862, 0.2808, 0.3841**, and if you desaturate by 10%, it is **90.5373, 0.2962, 0.3532**.

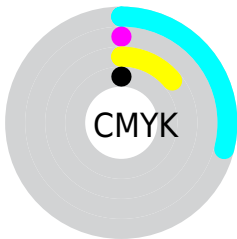
Distribution



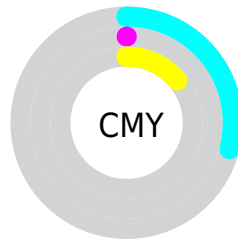
- Red (71%)
- Green (100%)
- Blue (86%)



- Red (71%)
- Yellow (90%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.5111, 0.2881, 0.3680 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 86.5111, 0.2881, 0.3680 by changing the saturation by 10% instead.

 86.5111, 0.2881,
0.3680

 86.5111, 0.2881,
0.3680


516.6150, 0.2994,
0.3500

 65.0907, 0.2855,
0.3721

 142.4825, 0.2920,
0.3618

 47.5346, 0.2824,
0.3772


177.8023, 0.2935,
0.3593

 33.4585, 0.2785,
0.3836


218.5240, 0.2948,
0.3572

 22.4779, 0.2733,
0.3920

265.0320, 0.2960,
0.3554

 14.2085, 0.2664,
0.4034

317.7107, 0.2970,
0.3538

 8.2658, 0.2565,
0.4198

376.9445, 0.2979,

 4.2655, 0.2414,

0.3524

0.4453

443.1178, 0.2987,
0.3511

1.8232, 0.2153,
0.4902

0.5015, 0.0000,
1.0000

86.5111, 0.2881,
0.3680

86.5111, 0.2881,
0.3680

83.0862, 0.2808,
0.3841

90.5373, 0.2962,
0.3532


80.2441, 0.2747,
0.4014

95.2074, 0.3048,
0.3399


77.9455, 0.2700,
0.4196


100.0000, 0.3127,
0.3290

76.1518, 0.2671,
0.4383

 74.8191, 0.2662,
0.4571

 73.8953, 0.2674,
0.4754

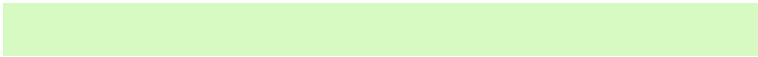
 73.3038, 0.2704,
0.4929

 73.2552, 0.2707,
0.4946

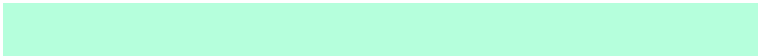
Harmonies

Analogous

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



86.5111, 0.3230, 0.3893



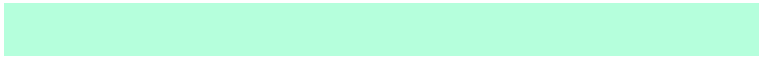
86.5111, 0.2881, 0.3680



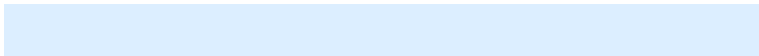
86.5111, 0.2608, 0.3348

Triad

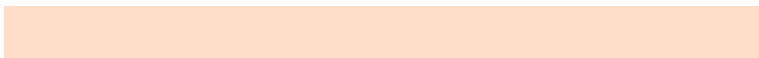
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5111, 0.2881, 0.3680



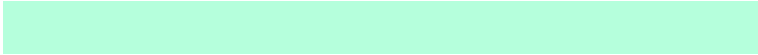
86.5111, 0.2684, 0.2708



86.5111, 0.3829, 0.3495

Complementary

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



86.5111, 0.2881, 0.3680



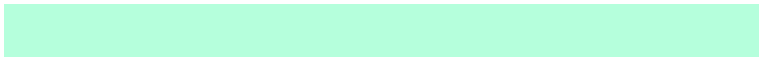
59.2462, 0.3471, 0.2932

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.



86.5111, 0.3668, 0.3202



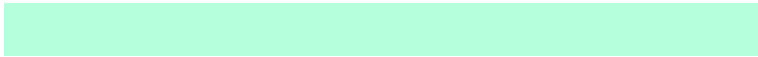
86.5111, 0.2881, 0.3680



86.5111, 0.2992, 0.2764

Square

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



86.5111, 0.2881, 0.3680



86.5111, 0.2500, 0.2794



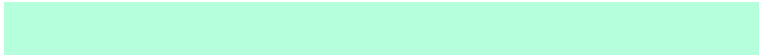
86.5111, 0.3354, 0.2941



86.5111, 0.3788, 0.3757

Rectangle

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



86.5111, 0.2881, 0.3680



86.5111, 0.2500, 0.3122



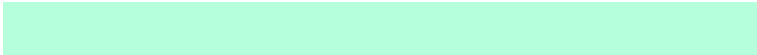
86.5111, 0.3354, 0.2941



86.5111, 0.3797, 0.3397

Sweetspot

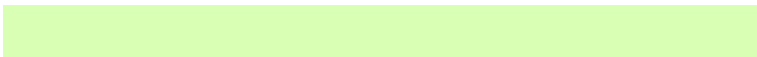
The Sweet Spot groups the original color and five complimentary colors.



86.5067, 0.2881, 0.3680



95.2252, 0.3048, 0.3398



89.5673, 0.3311, 0.4083



20.2279, 0.3035, 0.3417



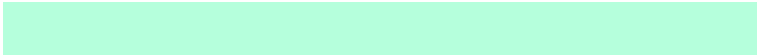
0.0000, 0.0000, 0.0000



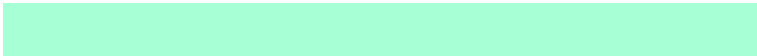
21.4041, 0.3127, 0.3290

Same Dimension

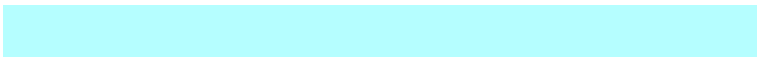
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5067, 0.2881, 0.3680



84.3952, 0.2836, 0.3774



87.7740, 0.2704, 0.3276



20.3283, 0.3043, 0.3405



38.3079, 0.2699, 0.4917



3.7520, 0.2644, 0.4718

Inverse Universe

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



59.2462, 0.3471, 0.2932



52.9920, 0.3568, 0.2856



58.1295, 0.3772, 0.3305



18.1300, 0.3220, 0.3178



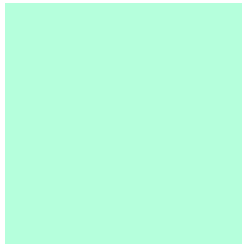
11.8534, 0.5081, 0.2573



1.1760, 0.4812, 0.2424

Previews

White Background



This preview shows how the Yxy color 86.5111, 0.2881, 0.3680 looks on a white background.

Color Contrast Check

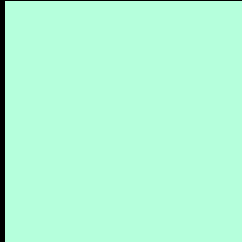
Large Text (above 18pt) WCAG AA × Fail

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 86.5111, 0.2881, 0.3680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

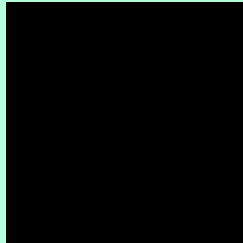
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.5111, 0.2881, 0.3680

Background



This preview shows how black text looks on a background with the Yxy color 86.5111, 0.2881, 0.3680.

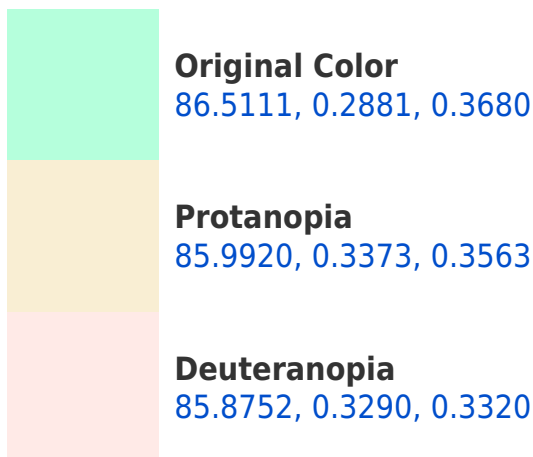


This preview shows how white text looks on a background with the Yxy color 86.5111, 0.2881, 0.3680.

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

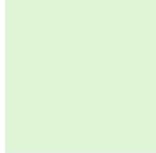
86.2175, 0.2878, 0.3176

Trichromacy



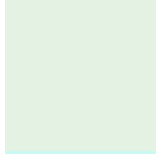
Original Color

86.5111, 0.2881, 0.3680



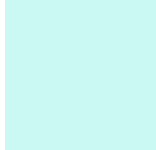
Protanomaly

85.4037, 0.3177, 0.3607



Deuteranomaly

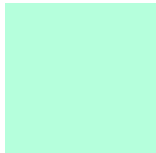
85.5443, 0.3126, 0.3446



Tritanomaly

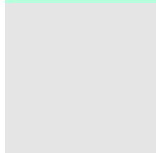
86.1022, 0.2880, 0.3353

Monochromacy



Original Color

86.5111, 0.2881, 0.3680



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6371, 0.3030, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5111, 0.2881, 0.3680 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(181, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 220)  
}
```

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(181, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 220) }
```

Border

The CSS property to change the border of an element to Yxy 86.5111, 0.2881, 0.3680 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(181, 255, 220) }
```

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

```
.border{ border-color:rgb(181, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5111, 0.2881, 0.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 220) }
```

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

```
.background{ background-color: rgb(181,  
255, 220) }
```

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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