

Converting Colors

Yxy(86.8813, 0.2881, 0.3653)

Have a look what the booklet for
Yxy(86.8813, 0.2881, 0.3653)
contains.

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Color

Yxy(86.8612, 0.2882, 0.3656)

Conversions

Conversions Part 1

Format	Color
Hex	B7FFDE
RGB	183, 255, 222
RGB Percent	72%, 100%, 87%
CMY	0.2823, 0.0000, 0.1295
CMYK	0.28, 0.00, 0.13, 0.00
HSL	152°, 100%, 86%
HSV	152°, 28%, 100%
XYZ	68.4721, 86.8612, 82.2520
YIQ	229.7100, -32.3190, -25.5270

Conversions

Conversions Part 2

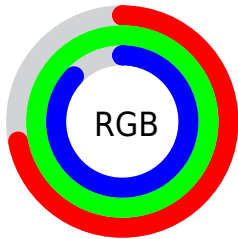
Format	Color
RYB	183, 230, 255
Decimal	12058590
CIELab	94.68, -28.84, 8.68
CIELCh	95, 30.119, 163.255
Yxy	86.8612, 0.2882, 0.3656
Android (android.graphics.Color)	4290248670 (0xFFB7FFDE)
YUV	229.7100, -3.8010, -40.9647
Hunter-Lab	93.1994, -31.9577, 12.9138

Details

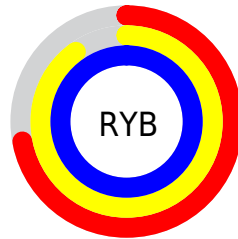
The Yxy color **86.8612, 0.2882, 0.3656** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.0885, 0.3468, 0.2952**, and the grayscale version is **78.9511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **47.7674, 0.2824, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **83.4068, 0.2807, 0.3811**, and if you desaturate by 10%, it is **90.9255, 0.2965, 0.3514**.

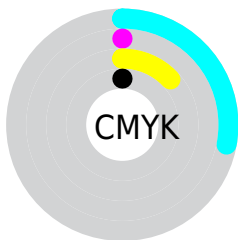
Distribution



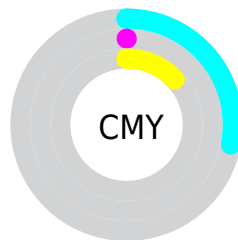
- Red (72%)
- Green (100%)
- Blue (87%)



- Red (72%)
- Yellow (90%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8612, 0.2882, 0.3656 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 86.8612, 0.2882, 0.3656 by changing the saturation by 10% instead.


 86.8612, 0.2882,
0.3656

 86.8612, 0.2882,
0.3656

517.7667, 0.2994,
0.3487

 65.3803, 0.2857,
0.3694


 142.9707, 0.2921,
0.3598

 47.7696, 0.2826,
0.3742


178.3681, 0.2936,
0.3575

 33.6444, 0.2787,
0.3801


219.1731, 0.2949,
0.3555

 22.6206, 0.2736,
0.3879

265.7702, 0.2960,
0.3538

 14.3136, 0.2668,
0.3985

318.5437, 0.2970,
0.3523

 8.3391, 0.2571,
0.4137

377.8780, 0.2979,

 4.3127, 0.2424,

0.3510

0.4373

444.1575, 0.2987,
0.3498

■ 1.8500, 0.2173,
0.4784

■ 0.5180, 0.0000,
1.0000

■ 86.8612, 0.2882,
0.3656

■ 86.8612, 0.2882,
0.3656

■ 83.4068, 0.2807,
0.3811

■ 90.9255, 0.2965,
0.3514

■ 80.5308, 0.2743,
0.3977

■ 95.6288, 0.3053,
0.3386

■ 78.1990, 0.2694,
0.4153

100.0000, 0.3127,
0.3290

■ 76.3730, 0.2662,
0.4334

■ 75.0094, 0.2651,
0.4516

■ 74.0572, 0.2660,
0.4696

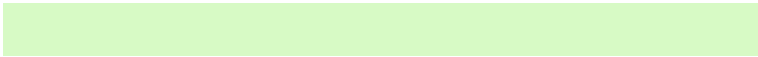
■ 73.4463, 0.2688,
0.4867

■ 73.3567, 0.2694,
0.4897

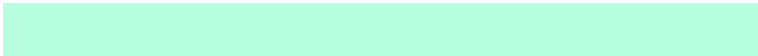
Harmonies

Analogous

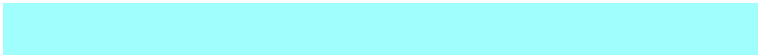
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8612, 0.3217, 0.3865



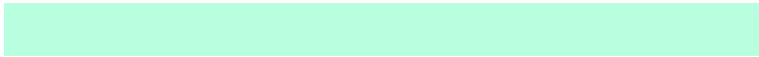
86.8612, 0.2882, 0.3656



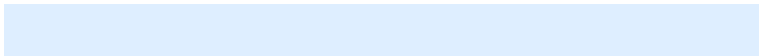
86.8612, 0.2622, 0.3336

Triad

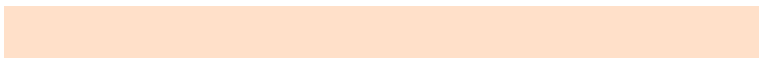
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8612, 0.2882, 0.3656



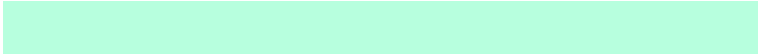
86.8612, 0.2708, 0.2729



86.8612, 0.3803, 0.3496

Complementary

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



86.8612, 0.2882, 0.3656



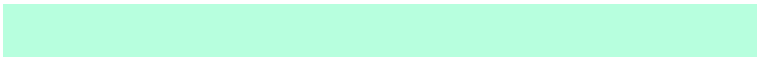
60.0885, 0.3468, 0.2952

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.



86.8612, 0.3653, 0.3214



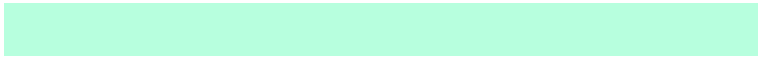
86.8612, 0.2882, 0.3656



86.8612, 0.3008, 0.2787

Square

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



86.8612, 0.2882, 0.3656



86.8612, 0.2526, 0.2809



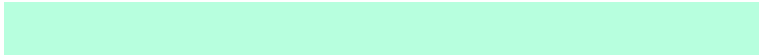
86.8612, 0.3356, 0.2961



86.8612, 0.3759, 0.3746

Rectangle

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



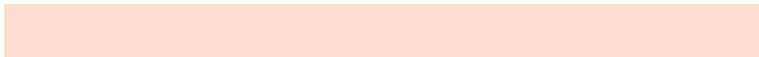
86.8612, 0.2882, 0.3656



86.8612, 0.2521, 0.3121



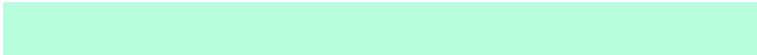
86.8612, 0.3356, 0.2961



86.8612, 0.3774, 0.3403

Sweetspot

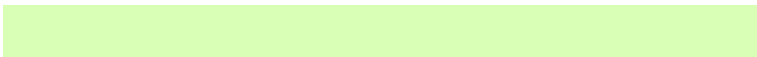
The Sweet Spot groups the original color and five complimentary colors.



86.8611, 0.2882, 0.3656



95.7462, 0.3055, 0.3383



89.6302, 0.3299, 0.4061



20.3327, 0.3042, 0.3401



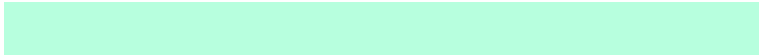
0.0000, 0.0000, 0.0000



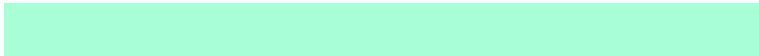
21.4041, 0.3127, 0.3290

Same Dimension

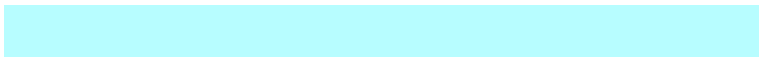
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8611, 0.2882, 0.3656



84.7965, 0.2838, 0.3744



87.2864, 0.2713, 0.3263



20.3327, 0.3042, 0.3401



38.3610, 0.2686, 0.4869



3.7571, 0.2632, 0.4674

Inverse Universe

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



60.0885, 0.3468, 0.2952



53.9332, 0.3562, 0.2881



59.5472, 0.3744, 0.3317



18.1256, 0.3222, 0.3181



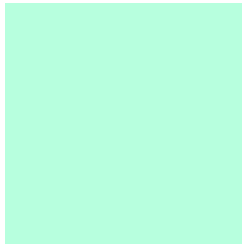
11.8085, 0.5140, 0.2605



1.1715, 0.4864, 0.2453

Previews

White Background



This preview shows how the Yxy color 86.8612, 0.2882, 0.3656 looks on a white background.

Color Contrast Check

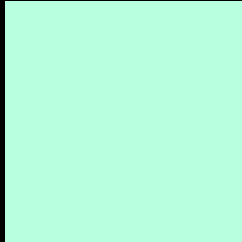
Large Text (above 18pt) WCAG AA × Fail

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 86.8612, 0.2882, 0.3656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

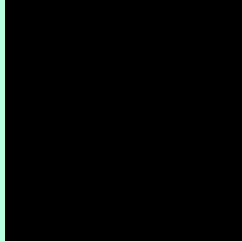
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.8612, 0.2882, 0.3656

Background



This preview shows how black text looks on a background with the Yxy color 86.8612, 0.2882, 0.3656.

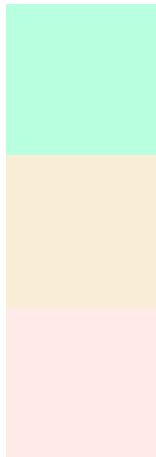


This preview shows how white text looks on a background with the Yxy color 86.8612, 0.2882, 0.3656.

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

86.8612, 0.2882, 0.3656

Protanopia

86.0929, 0.3360, 0.3543

Deuteranopia

85.9318, 0.3283, 0.3310



Tritanopia

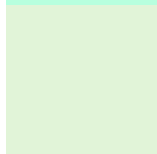
86.5203, 0.2890, 0.3176

Trichromacy



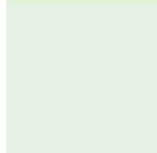
Original Color

86.8612, 0.2882, 0.3656



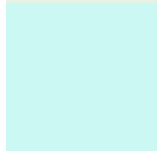
Protanomaly

85.6668, 0.3172, 0.3585



Deuteranomaly

85.7637, 0.3127, 0.3435



Tritanomaly

86.4432, 0.2886, 0.3342

Monochromacy



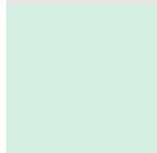
Original Color

86.8612, 0.2882, 0.3656



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4252, 0.3030, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8612, 0.2882, 0.3656 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(183, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 222)  
}
```

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(183, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 86.8612, 0.2882, 0.3656 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(183, 255, 222) }
```

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

```
.border{ border-color:rgb(183, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8612, 0.2882, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 222) }
```

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

```
.background{ background-color: rgb(183,  
255, 222) }
```

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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