

Converting Colors

$Yxy(87.7906, 0.2877, 0.3585)$

Have a look what the booklet for
Yxy(87.7906, 0.2877, 0.3585)
contains.

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Color

Yxy(87.8128, 0.2878, 0.3585)

Conversions

Conversions Part 1

Format	Color
Hex	BCFFE4
RGB	188, 255, 228
RGB Percent	74%, 100%, 89%
CMY	0.2629, 0.0000, 0.1059
CMYK	0.26, 0.00, 0.11, 0.00
HSL	156°, 100%, 87%
HSV	156°, 26%, 100%
XYZ	70.4952, 87.8128, 86.6371
YIQ	231.8890, -31.2650, -22.6010

Conversions

Conversions Part 2

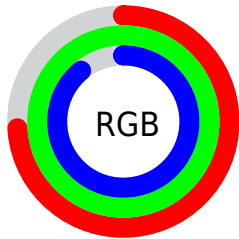
Format	Color
RYB	188, 230, 255
Decimal	12386276
CIELab	95.08, -26.21, 6.19
CIELCh	95, 26.928, 166.708
Yxy	87.8128, 0.2878, 0.3585
Android (android.graphics.Color)	4290576356 (0xFFBCFFE4)
YUV	231.8890, -1.9173, -38.4907
Hunter-Lab	93.7085, -29.7075, 10.7801

Details

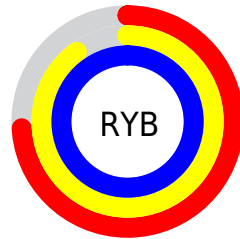
The Yxy color **87.8128, 0.2878, 0.3585** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.1123, 0.3469, 0.3014**, and the grayscale version is **80.6309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **48.3918, 0.2819, 0.3647** is the 20% darker color. If you saturate the color by 10%, you get **84.2978, 0.2795, 0.3718**, and if you desaturate by 10%, it is **91.9239, 0.2969, 0.3463**.

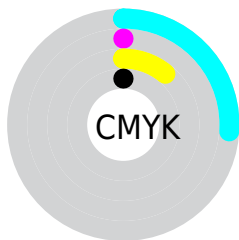
Distribution



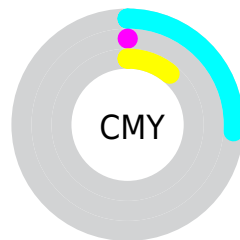
- Red (74%)
- Green (100%)
- Blue (89%)



- Red (74%)
- Yellow (90%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8128, 0.2878, 0.3585 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 87.8128, 0.2878, 0.3585 by changing the saturation by 10% instead.


 87.8128, 0.2878,
0.3585

 87.8128, 0.2878,
0.3585


520.8900, 0.2991,
0.3450

 66.1680, 0.2853,
0.3615


 144.2965, 0.2917,
0.3539

 48.4088, 0.2822,
0.3653

179.9043, 0.2932,
0.3520

 34.1508, 0.2783,
0.3700


220.9351, 0.2945,
0.3505

 23.0094, 0.2734,
0.3761

267.7735, 0.2956,
0.3491

 14.6005, 0.2667,
0.3843

320.8038, 0.2967,
0.3479

 8.5395, 0.2574,
0.3961

380.4103, 0.2976,

 4.4420, 0.2434,

0.3468

0.4140

446.9776, 0.2984,
0.3459

■ 1.9238, 0.2201,
0.4448

■ 0.5626, 0.0000,
0.7579

■ 87.8128, 0.2878,
0.3585

■ 87.8128, 0.2878,
0.3585

■ 84.2978, 0.2795,
0.3718

■ 91.9239, 0.2969,
0.3463

■ 81.3630, 0.2723,
0.3860

■ 96.6744, 0.3065,
0.3353


■ 78.9700, 0.2665,
0.4011


100.0000, 0.3127,
0.3290

■ 77.0818, 0.2626,
0.4168

 75.6563, 0.2606,
0.4327

 74.6447, 0.2606,
0.4486

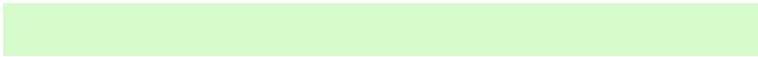
 73.9861, 0.2627,
0.4640

 73.7979, 0.2638,
0.4696

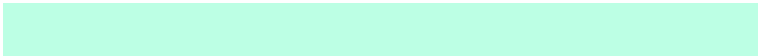
Harmonies

Analogous

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



87.8128, 0.3174, 0.3785



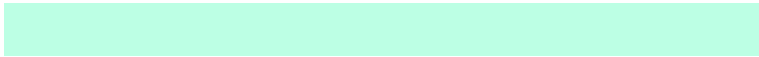
87.8128, 0.2878, 0.3585



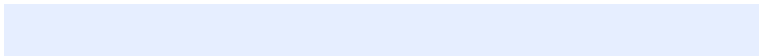
87.8128, 0.2656, 0.3299

Triad

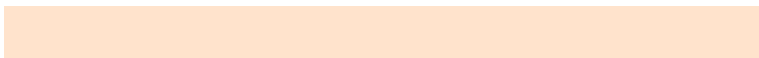
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8128, 0.2878, 0.3585



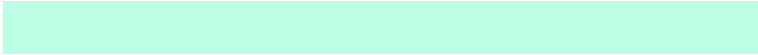
87.8128, 0.2780, 0.2787



87.8128, 0.3733, 0.3506

Complementary

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



87.8128, 0.2878, 0.3585



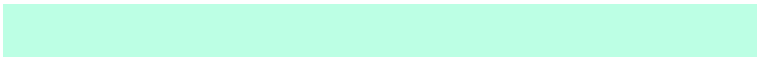
62.1123, 0.3469, 0.3014

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.



87.8128, 0.3618, 0.3253



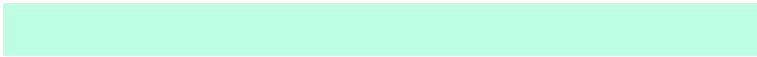
87.8128, 0.2878, 0.3585



87.8128, 0.3057, 0.2851

Square

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



87.8128, 0.2878, 0.3585



87.8128, 0.2601, 0.2846



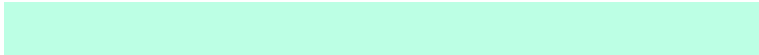
87.8128, 0.3366, 0.3018



87.8128, 0.3675, 0.3720

Rectangle

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



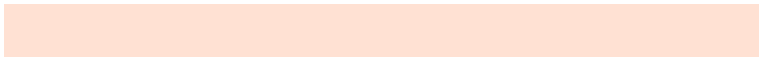
87.8128, 0.2878, 0.3585



87.8128, 0.2574, 0.3111



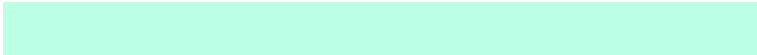
87.8128, 0.3366, 0.3018



87.8128, 0.3713, 0.3423

Sweetspot

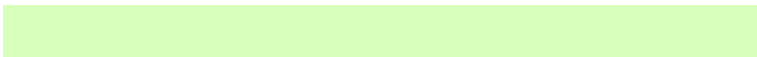
The Sweet Spot groups the original color and five complimentary colors.



87.8079, 0.2878, 0.3585



95.8164, 0.3049, 0.3371



89.7316, 0.3266, 0.4008



20.3504, 0.3034, 0.3387



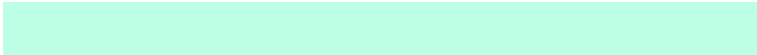
0.0000, 0.0000, 0.0000



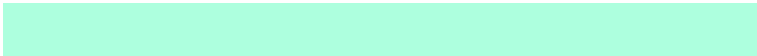
21.4041, 0.3127, 0.3290

Same Dimension

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



87.8079, 0.2878, 0.3585



85.7317, 0.2829, 0.3659



85.9131, 0.2736, 0.3229



20.3504, 0.3034, 0.3387



38.5913, 0.2631, 0.4671



3.7791, 0.2582, 0.4496

Inverse Universe

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



62.1123, 0.3469, 0.3014



55.7694, 0.3568, 0.2951



63.2703, 0.3680, 0.3350



18.1083, 0.3231, 0.3195



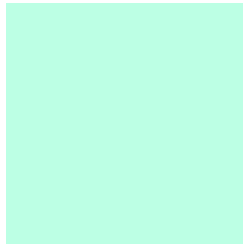
11.6446, 0.5373, 0.2734



1.1547, 0.5073, 0.2568

Previews

White Background



This preview shows how the Yxy color 87.8128, 0.2878, 0.3585 looks on a white background.

Color Contrast Check

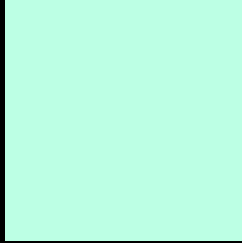
Large Text (above 18pt) WCAG AA × Fail

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 87.8128, 0.2878, 0.3585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

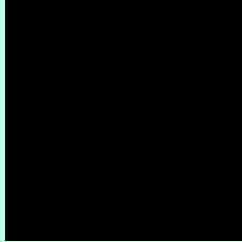
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

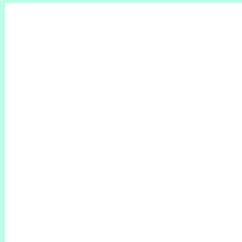
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8128, 0.2878, 0.3585

Background



This preview shows how black text looks on a background with the Yxy color 87.8128, 0.2878, 0.3585.

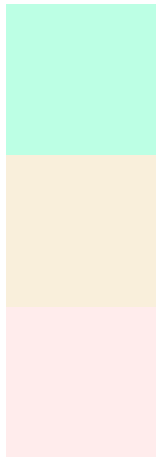


This preview shows how white text looks on a background with the Yxy color 87.8128, 0.2878, 0.3585.

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

87.8128, 0.2878, 0.3585

Protanopia

86.9872, 0.3320, 0.3491

Deuteranopia

87.3070, 0.3255, 0.3290



Tritanopia

87.7405, 0.2914, 0.3187

Trichromacy



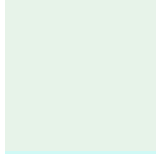
Original Color

87.8128, 0.2878, 0.3585



Protanomaly

86.9096, 0.3148, 0.3530



Deuteranomaly

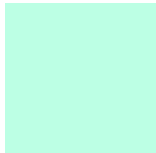
86.9733, 0.3109, 0.3393



Tritanomaly

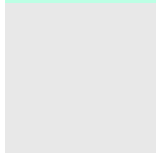
87.7538, 0.2899, 0.3331

Monochromacy



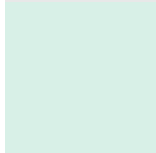
Original Color

87.8128, 0.2878, 0.3585



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.6886, 0.3026, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8128, 0.2878, 0.3585 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(188, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 228)  
}
```

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(188, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 228) }
```

Border

The CSS property to change the border of an element to Yxy 87.8128, 0.2878, 0.3585 is called "border". The border property can be set on classes, ids or directly on the HTML element.

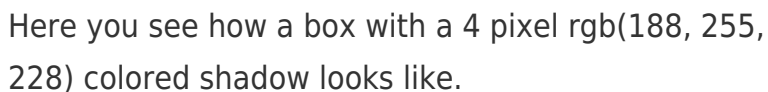
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 255, 228) }
```

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

```
.border{ border-color:rgb(188, 255, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 255, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 255, 228); box-shadow:4px 4px 4px 4px rgb(188, 255, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8128, 0.2878, 0.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 228) }
```

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

```
.background{ background-color: rgb(188,  
255, 228) }
```

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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