

Converting Colors

$Yxy(87.6133, 0.2872, 0.3584)$

Have a look what the booklet for
Yxy(87.6133, 0.2872, 0.3584)
contains.

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Color

Yxy(87.6862, 0.2873, 0.3585)

Conversions

Conversions Part 1

Format	Color
Hex	BBFFE4
RGB	187, 255, 228
RGB Percent	73%, 100%, 89%
CMY	0.2664, 0.0000, 0.1058
CMYK	0.27, 0.00, 0.11, 0.00
HSL	156°, 100%, 87%
HSV	156°, 27%, 100%
XYZ	70.2713, 87.6862, 86.6345
YIQ	231.5900, -31.8610, -22.8130

Conversions

Conversions Part 2

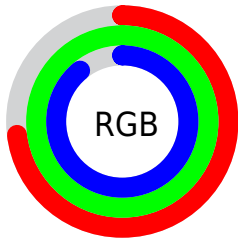
Format	Color
RYB	187, 229, 255
Decimal	12320740
CIELab	95.03, -26.46, 6.10
CIELCh	95, 27.150, 167.014
Yxy	87.6862, 0.2873, 0.3585
Android (android.graphics.Color)	4290510820 (0xFFBBFFE4)
YUV	231.5900, -1.7699, -39.1054
Hunter-Lab	93.6409, -29.9193, 10.6949

Details

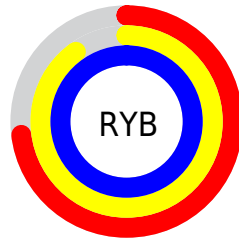
The Yxy color **87.6862, 0.2873, 0.3585** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.6847, 0.3477, 0.3014**, and the grayscale version is **80.4177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **48.3108, 0.2812, 0.3647** is the 20% darker color. If you saturate the color by 10%, you get **84.2067, 0.2790, 0.3716**, and if you desaturate by 10%, it is **91.7769, 0.2965, 0.3465**.

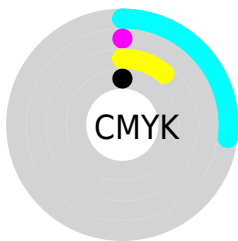
Distribution



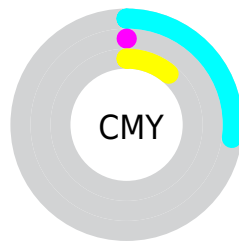
- Red (73%)
- Green (100%)
- Blue (89%)



- Red (73%)
- Yellow (90%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6862, 0.2873, 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 87.6862, 0.2873, 0.3585 by changing the saturation by 10% instead.


 87.6862, 0.2873,
0.3585

 87.6862, 0.2873,
0.3585


520.4751, 0.2988,
0.3450

 66.0632, 0.2847,
0.3615


 144.1202, 0.2912,
0.3539

 48.3237, 0.2816,
0.3653


179.7000, 0.2928,
0.3520

 34.0833, 0.2777,
0.3700


220.7009, 0.2941,
0.3505

 22.9576, 0.2726,
0.3761

267.5072, 0.2953,
0.3491

 14.5622, 0.2658,
0.3844

320.5034, 0.2963,
0.3479

 8.5127, 0.2563,
0.3961

380.0739, 0.2972,

 4.4247, 0.2420,

0.3468

0.4140

446.6029, 0.2981,
0.3459

1.9139, 0.2183,
0.4449

0.5567, 0.0000,
0.7561

87.6862, 0.2873,
0.3585

87.6862, 0.2873,
0.3585

84.2067, 0.2790,
0.3716

91.7769, 0.2965,
0.3465

81.2968, 0.2718,
0.3857


96.4965, 0.3061,
0.3356

78.9265, 0.2660,
0.4006


99.9938, 0.3127,
0.3290

77.0588, 0.2620,
0.4160

 75.6514, 0.2601,
0.4317

 74.6553, 0.2602,
0.4473

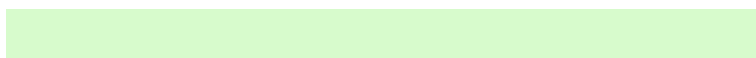
 74.0085, 0.2623,
0.4625

 73.8384, 0.2632,
0.4675

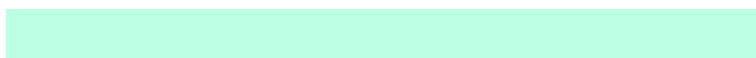
Harmonies

Analogous

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



87.6862, 0.3171, 0.3789



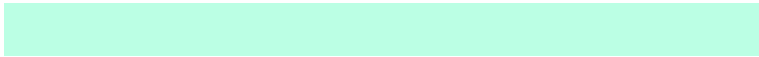
87.6862, 0.2873, 0.3585



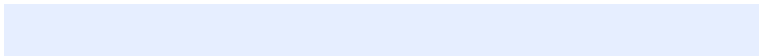
87.6862, 0.2650, 0.3296

Triad

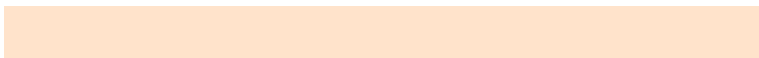
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6862, 0.2873, 0.3585



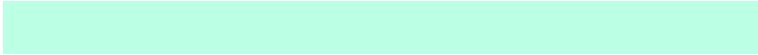
87.6862, 0.2779, 0.2783



87.6862, 0.3739, 0.3510

Complementary

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



87.6862, 0.2873, 0.3585



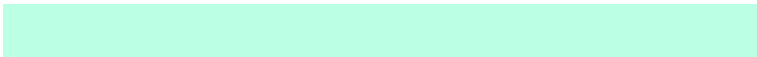
61.6847, 0.3477, 0.3014

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.



87.6862, 0.3625, 0.3255



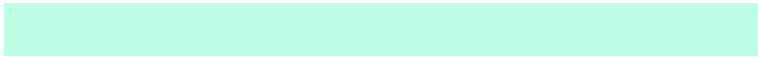
87.6862, 0.2873, 0.3585



87.6862, 0.3059, 0.2849

Square

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



87.6862, 0.2873, 0.3585



87.6862, 0.2598, 0.2841



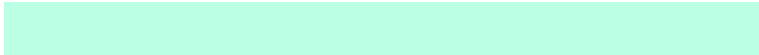
87.6862, 0.3371, 0.3018



87.6862, 0.3678, 0.3726

Rectangle

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



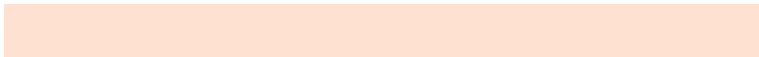
87.6862, 0.2873, 0.3585



87.6862, 0.2569, 0.3106



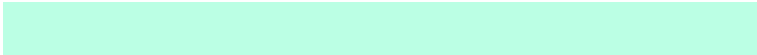
87.6862, 0.3371, 0.3018



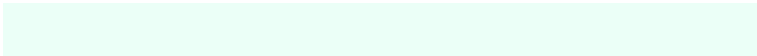
87.6862, 0.3719, 0.3426

Sweetspot

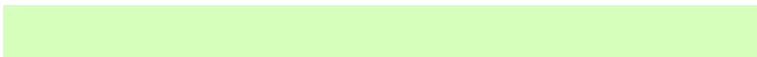
The Sweet Spot groups the original color and five complimentary colors.



87.6898, 0.2873, 0.3585



95.8234, 0.3048, 0.3370



89.4364, 0.3261, 0.4020



20.3521, 0.3033, 0.3386



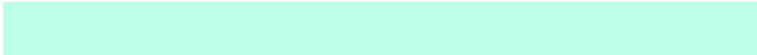
0.0000, 0.0000, 0.0000



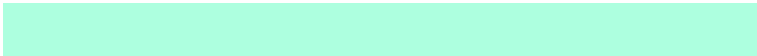
21.4041, 0.3127, 0.3290

Same Dimension

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



87.6898, 0.2873, 0.3585



85.7561, 0.2827, 0.3654



85.0494, 0.2730, 0.3216



20.3521, 0.3033, 0.3386



38.6158, 0.2625, 0.4651



3.7814, 0.2577, 0.4478

Inverse Universe

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



61.6847, 0.3477, 0.3014



55.7473, 0.3572, 0.2956



63.3705, 0.3686, 0.3362



18.1066, 0.3232, 0.3196



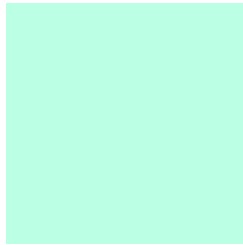
11.6297, 0.5396, 0.2746



1.1532, 0.5094, 0.2580

Previews

White Background



This preview shows how the Yxy color 87.6862, 0.2873, 0.3585 looks on a white background.

Color Contrast Check

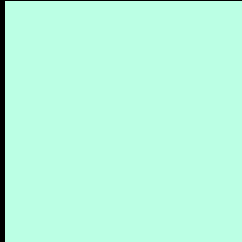
Large Text (above 18pt) WCAG AA × Fail

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 87.6862, 0.2873, 0.3585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

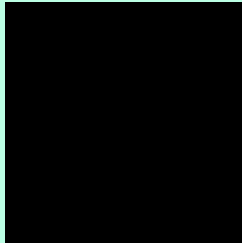
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

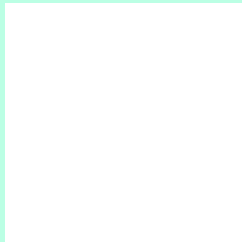
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6862, 0.2873, 0.3585

Background



This preview shows how black text looks on a background with the Yxy color 87.6862, 0.2873, 0.3585.

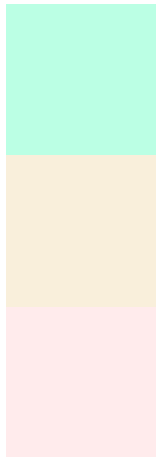


This preview shows how white text looks on a background with the Yxy color 87.6862, 0.2873, 0.3585.

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

87.6862, 0.2873, 0.3585

Protanopia

86.9872, 0.3320, 0.3491

Deuteranopia

86.7328, 0.3256, 0.3281



Tritanopia

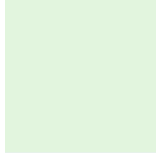
87.5849, 0.2908, 0.3187

Trichromacy



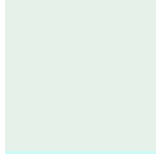
Original Color

87.6862, 0.2873, 0.3585



Protanomaly

86.7475, 0.3142, 0.3530



Deuteranomaly

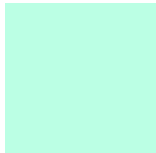
86.2104, 0.3103, 0.3383



Tritanomaly

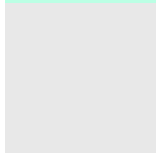
87.6093, 0.2893, 0.3331

Monochromacy



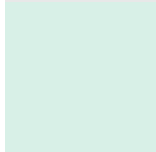
Original Color

87.6862, 0.2873, 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 87.6862, 0.2873, 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(187, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 228) }
```

Border

The CSS property to change the border of an element to Yxy 87.6862, 0.2873, 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(187, 255, 228) }
```

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

```
.border{ border-color:rgb(187, 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(187, 255, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6862, 0.2873, 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(187, 255, 228) }
```

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

```
.background{ background-color: rgb(187,  
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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