

Converting Colors

$Yxy(87.3877, 0.2842, 0.3561)$

Have a look what the booklet for
Yxy(87.3877, 0.2842, 0.3561)
contains.

Yxy(87.4235, 0.2846, 0.3564)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.4235, 0.2846, 0.3564)

Conversions

Conversions Part 1

Format	Color
Hex	B8FFE6
RGB	184, 255, 230
RGB Percent	72%, 100%, 90%
CMY	0.2784, 0.0000, 0.0980
CMYK	0.28, 0.00, 0.10, 0.00
HSL	159°, 100%, 86%
HSV	159°, 28%, 100%
XYZ	69.8112, 87.4235, 88.0613
YIQ	230.9210, -34.2910, -22.8270

Conversions

Conversions Part 2

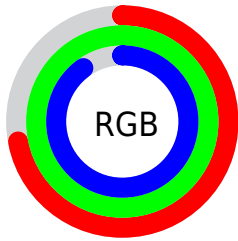
Format	Color
RYB	184, 227, 255
Decimal	12124134
CIELab	94.92, -26.97, 4.90
CIElCh	95, 27.407, 169.706
Yxy	87.4235, 0.2846, 0.3564
Android (android.graphics.Color)	4290314214 (0xFFB8FFE6)
YUV	230.9210, -0.4541, -41.1497
Hunter-Lab	93.5005, -30.3507, 9.6095

Details

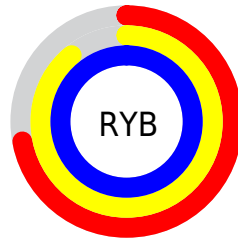
The Yxy color **87.4235, 0.2846, 0.3564** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.1470, 0.3525, 0.3033**, and the grayscale version is **79.8731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **48.1504, 0.2780, 0.3619** is the 20% darker color. If you saturate the color by 10%, you get **84.0625, 0.2759, 0.3680**, and if you desaturate by 10%, it is **91.3803, 0.2942, 0.3457**.

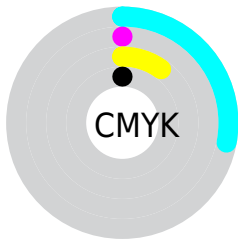
Distribution



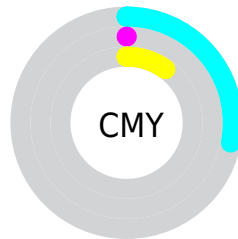
- Red (72%)
- Green (100%)
- Blue (90%)



- Red (72%)
- Yellow (89%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4235, 0.2846, 0.3564 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 87.4235, 0.2846, 0.3564 by changing the saturation by 10% instead.

 87.4235, 0.2846,
0.3564

 87.4235, 0.2846,
0.3564


519.6135, 0.2973,
0.3439

 65.8457, 0.2818,
0.3592


 143.7543, 0.2889,
0.3521

 48.1472, 0.2783,
0.3627


179.2761, 0.2906,
0.3504

 33.9435, 0.2740,
0.3670


220.2147, 0.2921,
0.3490

 22.8502, 0.2685,
0.3726

266.9545, 0.2934,
0.3477

 14.4829, 0.2611,
0.3802

319.8799, 0.2946,
0.3466

 8.4573, 0.2507,
0.3909

379.3752, 0.2956,

 4.3889, 0.2353,

0.3456

0.4073

445.8250, 0.2965,
0.3447

1.8934, 0.2099,
0.4352

0.5444, 0.0000,
0.6850

87.4235, 0.2846,
0.3564

87.4235, 0.2846,
0.3564

84.0625, 0.2759,
0.3680

91.3803, 0.2942,
0.3457


81.2631, 0.2684,
0.3805


95.9581, 0.3044,
0.3359


78.9926, 0.2625,
0.3936


100.0000, 0.3127,
0.3290

77.2135, 0.2584,
0.4072

 75.8833, 0.2562,
0.4210

 74.9516, 0.2562,
0.4347

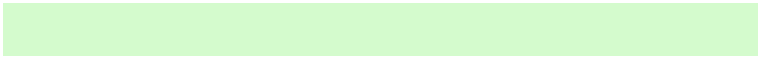
 74.3517, 0.2581,
0.4482

 74.2449, 0.2586,
0.4510

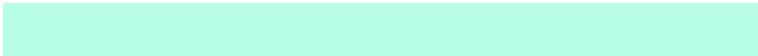
Harmonies

Analogous

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



87.4235, 0.3143, 0.3782



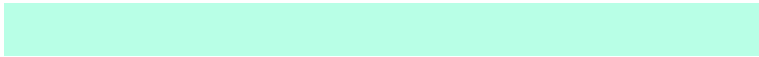
87.4235, 0.2846, 0.3564



87.4235, 0.2631, 0.3269

Triad

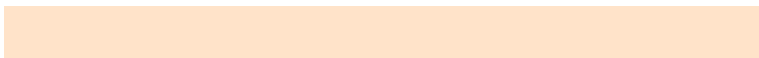
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4235, 0.2846, 0.3564



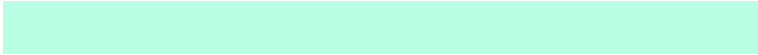
87.4235, 0.2798, 0.2779



87.4235, 0.3747, 0.3534

Complementary

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



87.4235, 0.2846, 0.3564



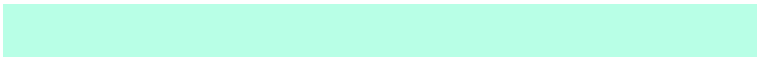
60.1470, 0.3525, 0.3033

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.



87.4235, 0.3647, 0.3277



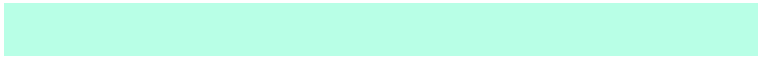
87.4235, 0.2846, 0.3564



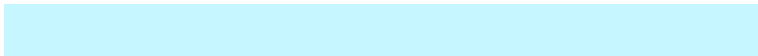
87.4235, 0.3087, 0.2856

Square

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



87.4235, 0.2846, 0.3564



87.4235, 0.2604, 0.2826



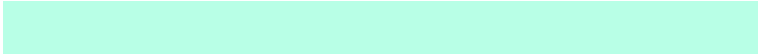
87.4235, 0.3401, 0.3035



87.4235, 0.3670, 0.3745

Rectangle

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



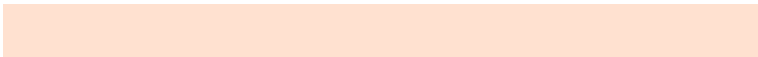
87.4235, 0.2846, 0.3564



87.4235, 0.2557, 0.3080



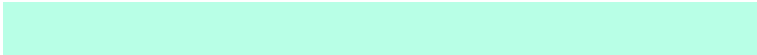
87.4235, 0.3401, 0.3035



87.4235, 0.3733, 0.3450

Sweetspot

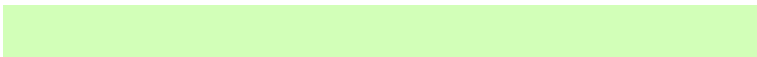
The Sweet Spot groups the original color and five complimentary colors.



87.4246, 0.2846, 0.3564



95.8802, 0.3043, 0.3361



88.6880, 0.3251, 0.4061



20.3665, 0.3027, 0.3375



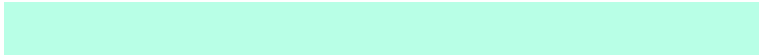
0.0000, 0.0000, 0.0000



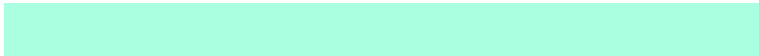
21.4041, 0.3127, 0.3290

Same Dimension

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



87.4246, 0.2846, 0.3564



85.6178, 0.2800, 0.3623



83.0396, 0.2711, 0.3187



20.3665, 0.3027, 0.3375



38.8240, 0.2580, 0.4488



3.8009, 0.2538, 0.4335

Inverse Universe

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



60.1470, 0.3525, 0.3033



54.5216, 0.3626, 0.2983



63.0699, 0.3713, 0.3390



18.0927, 0.3239, 0.3207



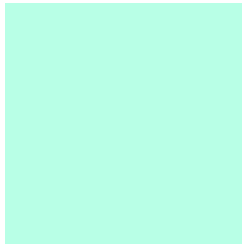
11.5180, 0.5575, 0.2845



1.1413, 0.5260, 0.2672

Previews

White Background



This preview shows how the Yxy color 87.4235, 0.2846, 0.3564 looks on a white background.

Color Contrast Check

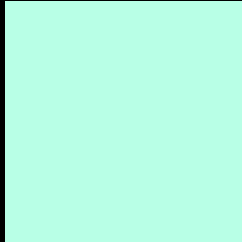
Large Text (above 18pt) WCAG AA × Fail

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 87.4235, 0.2846, 0.3564 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 87.4235, 0.2846, 0.3564

Background



This preview shows how black text looks on a background with the Yxy color 87.4235, 0.2846, 0.3564.

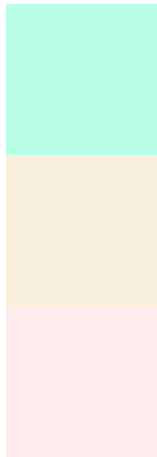


This preview shows how white text looks on a background with the Yxy color 87.4235, 0.2846, 0.3564.

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

87.4235, 0.2846, 0.3564

Protanopia

86.9099, 0.3300, 0.3471

Deuteranopia

86.7911, 0.3250, 0.3271



Tritanopia

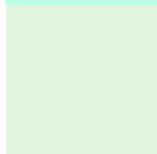
87.2765, 0.2896, 0.3187

Trichromacy



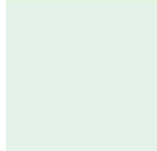
Original Color

87.4235, 0.2846, 0.3564



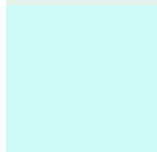
Protanomaly

86.6942, 0.3123, 0.3509



Deuteranomaly

86.1028, 0.3091, 0.3372



Tritanomaly

87.3843, 0.2876, 0.3321

Monochromacy



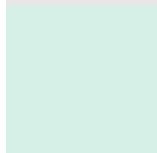
Original Color

87.4235, 0.2846, 0.3564



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3858, 0.3013, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4235, 0.2846, 0.3564 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(184, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 230)  
}
```

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(184, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 87.4235, 0.2846, 0.3564 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(184, 255, 230) }
```

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

```
.border{ border-color:rgb(184, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4235, 0.2846, 0.3564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 230) }
```

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

```
.background{ background-color: rgb(184,  
255, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor