

Converting Colors

$Y_{xy}(87.9081, 0.2805, 0.3472)$

Have a look what the booklet for
Yxy(87.9081, 0.2805, 0.3472)
contains.

| | |
|---|----|
| Yxy(87.8834, 0.2805, 0.3474) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(87.8834, 0.2805, 0.3474)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B8FFEE |
| RGB | 184, 255, 238 |
| RGB Percent | 72%, 100%, 93% |
| CMY | 0.2785, 0.0000, 0.0666 |
| CMYK | 0.28, 0.00, 0.07, 0.00 |
| HSL | 166°, 100%, 86% |
| HSV | 166°, 28%, 100% |
| XYZ | 70.9594, 87.8834, 94.1319 |
| YIQ | 231.8330, -36.8590, -20.3390 |

Conversions

Conversions Part 2

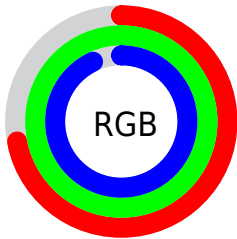
| Format | Color |
|-------------------------------------|--|
| RYB | 184, 224, 255 |
| Decimal | 12124142 |
| CIELab | 95.11, -25.34, 1.05 |
| CIElCh | 95, 25.365, 177.638 |
| Yxy | 87.8834, 0.2805, 0.3474 |
| Android (android.graphics.Color) | 4290314222 (0xFFB8FFEE) |
| YUV | 231.8330, 3.0403, -41.9495 |
| Hunter-Lab | 93.7461, -28.9435, 6.0883 |

Details

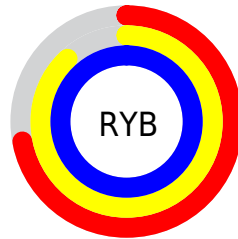
The Yxy color **87.8834, 0.2805, 0.3474** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.7492, 0.3593, 0.3115**, and the grayscale version is **80.5600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **48.4327, 0.2736, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **84.6606, 0.2706, 0.3551**, and if you desaturate by 10%, it is **91.6850, 0.2915, 0.3402**.

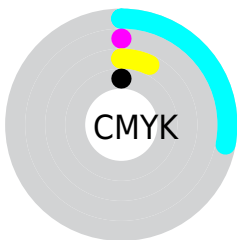
Distribution



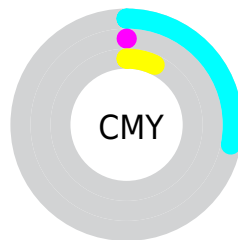
- Red (72%)
- Green (100%)
- Blue (93%)



- Red (72%)
- Yellow (88%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8834, 0.2805, 0.3474 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 87.8834, 0.2805, 0.3474 by changing the saturation by 10% instead.

 87.8834, 0.2805,
0.3474

 87.8834, 0.2805,
0.3474


521.1213, 0.2949,
0.3392

 66.2265, 0.2773,
0.3492


 144.3948, 0.2854,
0.3446

 48.4563, 0.2735,
0.3515


180.0181, 0.2873,
0.3435

 34.1884, 0.2687,
0.3542


221.0657, 0.2890,
0.3425

 23.0384, 0.2625,
0.3578

267.9219, 0.2905,
0.3417

 14.6218, 0.2544,
0.3625

320.9712, 0.2918,
0.3409

 8.5544, 0.2431,
0.3691

380.5979, 0.2929,

 4.4517, 0.2266,

0.3403

0.3788

447.1865, 0.2940,
0.3397

■ 1.9293, 0.2001,
0.3947

■ 0.5659, 0.0000,
0.5103

■ 87.8834, 0.2805,
0.3474

■ 87.8834, 0.2805,
0.3474

■ 84.6606, 0.2706,
0.3551

■ 91.6850, 0.2915,
0.3402


■ 81.9873, 0.2620,
0.3633


■ 96.0951, 0.3032,
0.3337


■ 79.8296, 0.2551,
0.3719


■ 100.0000, 0.3127,
0.3290

■ 78.1503, 0.2501,
0.3808

 76.9070, 0.2471,
0.3898

 76.0498, 0.2460,
0.3987

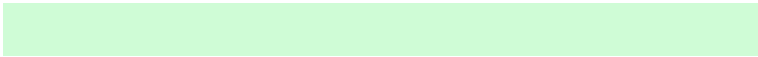
 75.5121, 0.2468,
0.4076

 75.4176, 0.2471,
0.4095

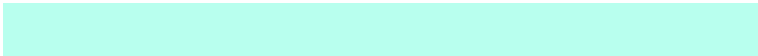
Harmonies

Analogous

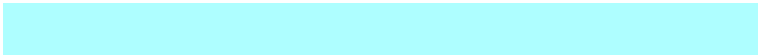
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8834, 0.3067, 0.3701



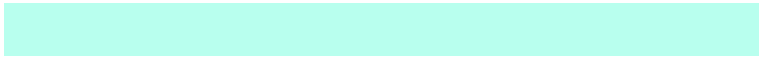
87.8834, 0.2805, 0.3474



87.8834, 0.2633, 0.3200

Triad

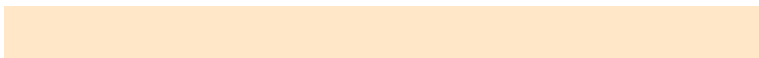
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8834, 0.2805, 0.3474



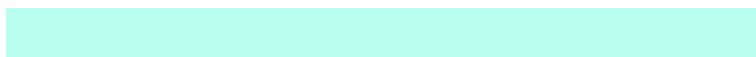
87.8834, 0.2887, 0.2824



87.8834, 0.3696, 0.3576

Complementary

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



87.8834, 0.2805, 0.3474



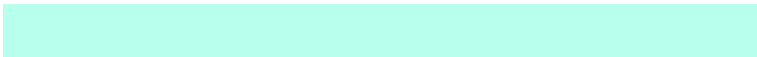
59.7492, 0.3593, 0.3115

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.



87.8834, 0.3646, 0.3343



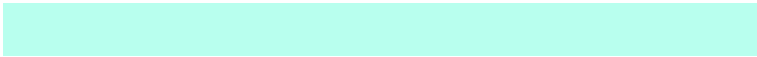
87.8834, 0.2805, 0.3474



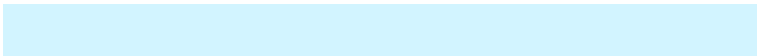
87.8834, 0.3168, 0.2923

Square

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



87.8834, 0.2805, 0.3474



87.8834, 0.2679, 0.2837



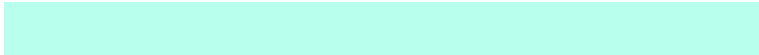
87.8834, 0.3450, 0.3109



87.8834, 0.3586, 0.3748

Rectangle

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



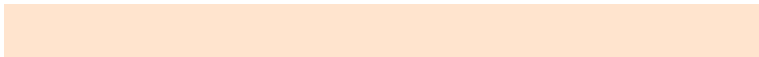
87.8834, 0.2805, 0.3474



87.8834, 0.2588, 0.3037



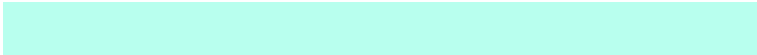
87.8834, 0.3450, 0.3109



87.8834, 0.3698, 0.3502

Sweetspot

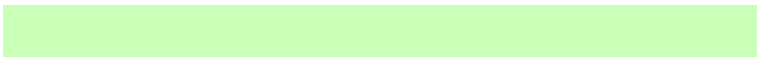
The Sweet Spot groups the original color and five complimentary colors.



87.8830, 0.2805, 0.3474



96.0241, 0.3030, 0.3338



87.5000, 0.3198, 0.4073



20.4029, 0.3012, 0.3347



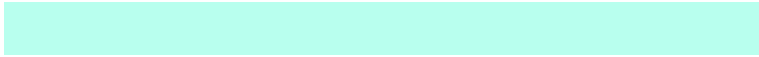
0.0000, 0.0000, 0.0000



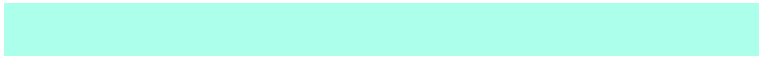
21.4041, 0.3127, 0.3290

Same Dimension

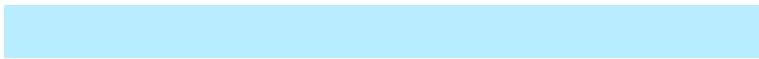
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8830, 0.2805, 0.3474



86.1528, 0.2752, 0.3513



78.1192, 0.2701, 0.3095



20.4029, 0.3012, 0.3347



39.4318, 0.2467, 0.4081



3.8563, 0.2439, 0.3979

Inverse Universe

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



59.7492, 0.3593, 0.3115



54.0891, 0.3713, 0.3081



66.8381, 0.3690, 0.3476



18.0582, 0.3257, 0.3233



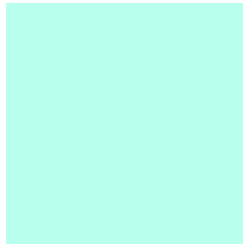
11.3038, 0.5969, 0.3062



1.1168, 0.5657, 0.2890

Previews

White Background



This preview shows how the Yxy color 87.8834, 0.2805, 0.3474 looks on a white background.

Color Contrast Check

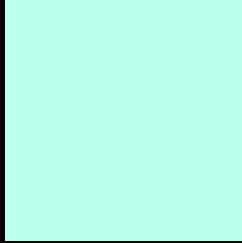
Large Text (above 18pt) WCAG AA × Fail

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 87.8834, 0.2805, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

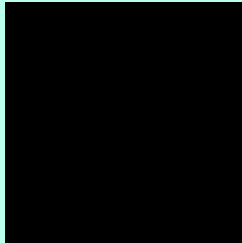
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

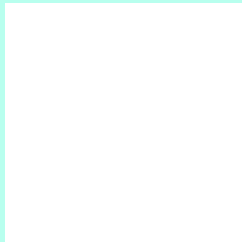
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8834, 0.2805, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 87.8834, 0.2805, 0.3474.

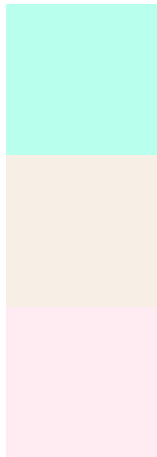


This preview shows how white text looks on a background with the Yxy color 87.8834, 0.2805, 0.3474.

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

87.8834, 0.2805, 0.3474

Protanopia

87.1643, 0.3243, 0.3390

Deuteranopia

87.0875, 0.3218, 0.3222



Tritanopia

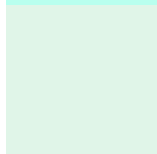
87.4302, 0.2902, 0.3187

Trichromacy



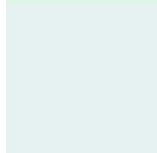
Original Color

87.8834, 0.2805, 0.3474



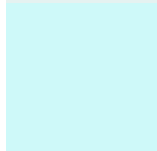
Protanomaly

86.9783, 0.3070, 0.3425



Deuteranomaly

86.5131, 0.3049, 0.3300



Tritanomaly

87.7127, 0.2866, 0.3289

Monochromacy



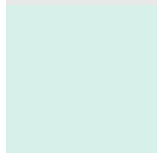
Original Color

87.8834, 0.2805, 0.3474



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.7078, 0.3002, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8834, 0.2805, 0.3474 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 87.8834, 0.2805, 0.3474 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, 238) }
```

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

```
.border{ border-color:rgb(184, 255, 238) }
```

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, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8834, 0.2805, 0.3474 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, 238) }
```

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

```
.background{ background-color: rgb(184,  
255, 238) }
```

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