

Converting Colors

$Yxy(91.3686, 0.2853, 0.3590)$

Have a look what the booklet for
Yxy(91.3686, 0.2853, 0.3590)
contains.

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Color

Yxy(87.9680, 0.2847, 0.3529)

Conversions

Conversions Part 1

Format	Color
Hex	BBFFE9
RGB	187, 255, 233
RGB Percent	73%, 100%, 91%
CMY	0.2665, 0.0000, 0.0862
CMYK	0.27, 0.00, 0.09, 0.00
HSL	161°, 100%, 87%
HSV	161°, 27%, 100%
XYZ	70.9677, 87.9680, 90.3361
YIQ	232.1600, -33.4660, -21.2580

Conversions

Conversions Part 2

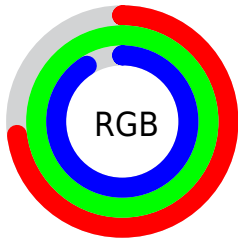
Format	Color
RYB	187, 228, 255
Decimal	12320745
CIELab	95.15, -25.48, 3.70
CIELCh	95, 25.747, 171.731
Yxy	87.9680, 0.2847, 0.3529
Android (android.graphics.Color)	4290510825 (0xFFBBFFE9)
YUV	232.1600, 0.4141, -39.6053
Hunter-Lab	93.7913, -29.0717, 8.5481

Details

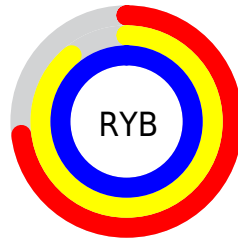
The Yxy color **87.9680, 0.2847, 0.3529** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.4181, 0.3519, 0.3065**, and the grayscale version is **80.8446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **48.4680, 0.2787, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **84.5747, 0.2756, 0.3634**, and if you desaturate by 10%, it is **91.9616, 0.2948, 0.3432**.

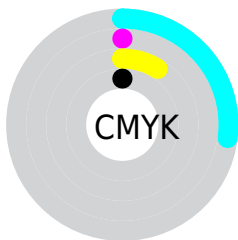
Distribution



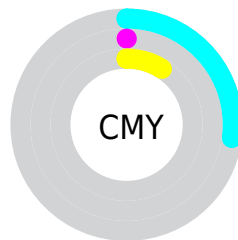
- Red (73%)
- Green (100%)
- Blue (91%)



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



- Cyan (27%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9680, 0.2847, 0.3529 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 87.9680, 0.2847, 0.3529 by changing the saturation by 10% instead.


 87.9680, 0.2847,
0.3529

 87.9680, 0.2847,
0.3529


521.3984, 0.2973,
0.3421

 66.2966, 0.2819,
0.3553


 144.5126, 0.2890,
0.3492

 48.5132, 0.2785,
0.3583


180.1546, 0.2907,
0.3477

 34.2335, 0.2742,
0.3620


221.2222, 0.2922,
0.3465

 23.0730, 0.2688,
0.3669

268.0998, 0.2934,
0.3454

 14.6474, 0.2615,
0.3733

321.1718, 0.2946,
0.3444

 8.5723, 0.2515,
0.3824

380.8227, 0.2956,

 4.4633, 0.2365,

0.3435

0.3962

447.4368, 0.2965,
0.3428

■ 1.9360, 0.2120,
0.4194

■ 0.5699, 0.0000,
0.6118

■ 87.9680, 0.2847,
0.3529

■ 87.9680, 0.2847,
0.3529

■ 84.5747, 0.2756,
0.3634

■ 91.9616, 0.2948,
0.3432


■ 81.7403, 0.2676,
0.3747


■ 96.5730, 0.3054,
0.3344

■ 79.4353, 0.2612,
0.3866


■ 99.9991, 0.3127,
0.3290

■ 77.6226, 0.2567,
0.3990

 76.2605, 0.2541,
0.4115

 75.3000, 0.2536,
0.4241

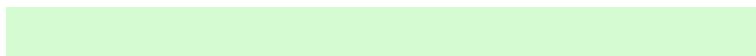
 74.6797, 0.2550,
0.4364

 74.5170, 0.2557,
0.4405

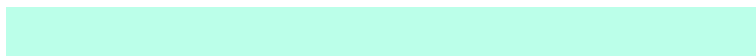
Harmonies

Analogous

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



87.9680, 0.3123, 0.3739



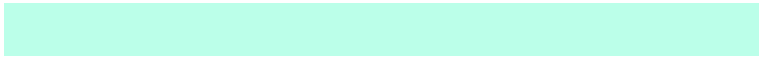
87.9680, 0.2847, 0.3529



87.9680, 0.2651, 0.3252

Triad

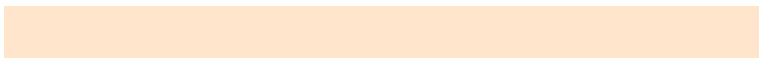
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9680, 0.2847, 0.3529



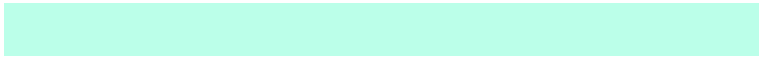
87.9680, 0.2834, 0.2811



87.9680, 0.3708, 0.3536

Complementary

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



87.9680, 0.2847, 0.3529



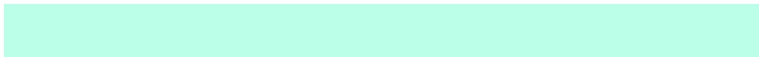
61.4181, 0.3519, 0.3065

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.



87.9680, 0.3625, 0.3296



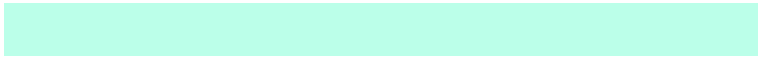
87.9680, 0.2847, 0.3529



87.9680, 0.3110, 0.2890

Square

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



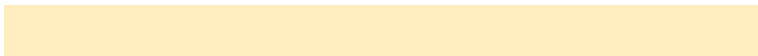
87.9680, 0.2847, 0.3529



87.9680, 0.2644, 0.2847



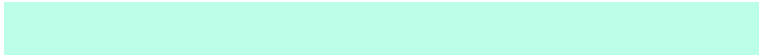
87.9680, 0.3402, 0.3064



87.9680, 0.3626, 0.3728

Rectangle

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



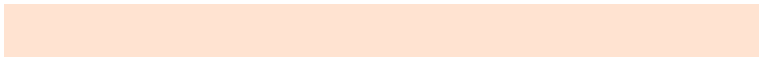
87.9680, 0.2847, 0.3529



87.9680, 0.2588, 0.3078



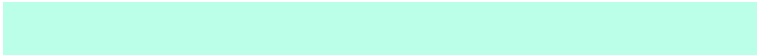
87.9680, 0.3402, 0.3064



87.9680, 0.3699, 0.3458

Sweetspot

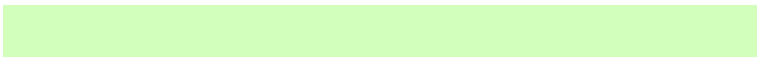
The Sweet Spot groups the original color and five complimentary colors.



87.9716, 0.2847, 0.3529



95.9163, 0.3040, 0.3355



88.7640, 0.3232, 0.4027



20.3756, 0.3023, 0.3368



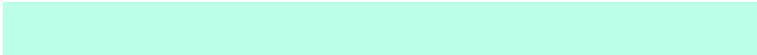
0.0000, 0.0000, 0.0000



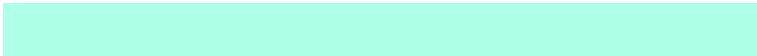
21.4041, 0.3127, 0.3290

Same Dimension

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



87.9716, 0.2847, 0.3529



86.0848, 0.2797, 0.3584



82.2920, 0.2725, 0.3167



20.3756, 0.3023, 0.3368



38.9658, 0.2551, 0.4385



3.8140, 0.2512, 0.4244

Inverse Universe

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



61.4181, 0.3519, 0.3065



55.4615, 0.3626, 0.3017



65.4015, 0.3675, 0.3409



18.0839, 0.3243, 0.3213



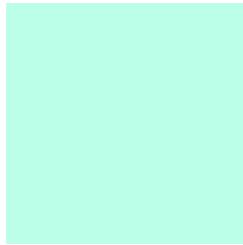
11.4552, 0.5683, 0.2905



1.1344, 0.5364, 0.2729

Previews

White Background



This preview shows how the Yxy color 87.9680, 0.2847, 0.3529 looks on a white background.

Color Contrast Check

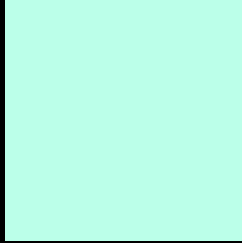
Large Text (above 18pt) WCAG AA × Fail

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 87.9680, 0.2847, 0.3529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

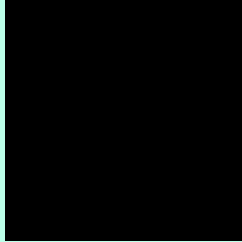
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

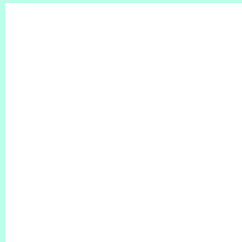
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9680, 0.2847, 0.3529

Background



This preview shows how black text looks on a background with the Yxy color 87.9680, 0.2847, 0.3529.

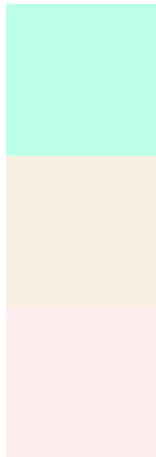


This preview shows how white text looks on a background with the Yxy color 87.9680, 0.2847, 0.3529.

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

87.9680, 0.2847, 0.3529

Protanopia

87.0713, 0.3281, 0.3441

Deuteranopia

87.4829, 0.3236, 0.3261



Tritanopia

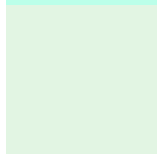
87.7405, 0.2914, 0.3187

Trichromacy



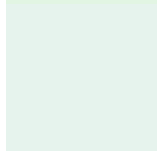
Original Color

87.9680, 0.2847, 0.3529



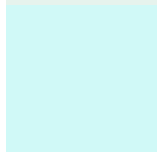
Protanomaly

87.0196, 0.3112, 0.3477



Deuteranomaly

87.0386, 0.3079, 0.3351



Tritanomaly

87.8767, 0.2888, 0.3310

Monochromacy



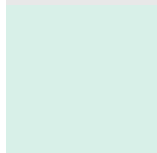
Original Color

87.9680, 0.2847, 0.3529



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.7453, 0.3020, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9680, 0.2847, 0.3529 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 87.9680, 0.2847, 0.3529 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, 233) }
```

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

```
.border{ border-color:rgb(187, 255, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9680, 0.2847, 0.3529 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, 233) }
```

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

```
.background{ background-color: rgb(187,  
255, 233) }
```

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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