

Converting Colors

$Yxy(88.2615, 0.2892, 0.3547)$

Have a look what the booklet for
Yxy(88.2615, 0.2892, 0.3547)
contains.

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Color

Yxy(87.9906, 0.2890, 0.3539)

Conversions

Conversions Part 1

Format	Color
Hex	C1FEE7
RGB	193, 254, 231
RGB Percent	76%, 100%, 91%
CMY	0.2432, 0.0039, 0.0942
CMYK	0.24, 0.00, 0.09, 0.00
HSL	157°, 97%, 88%
HSV	157°, 24%, 100%
XYZ	71.8544, 87.9906, 88.7862
YIQ	233.1390, -28.9730, -20.0850

Conversions

Conversions Part 2

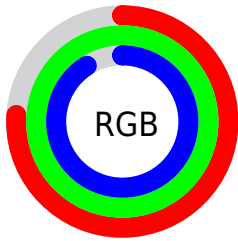
Format	Color
R _Y B	193, 231, 254
Decimal	12713703
CIE Lab	95.16, -23.64, 4.80
CIE LCh	95, 24.121, 168.521
Yxy	87.9906, 0.2890, 0.3539
Android (android.graphics.Color)	4290903783 (0xFFC1FEE7)
YUV	233.1390, -1.0545, -35.2019
Hunter-Lab	93.8033, -27.4227, 9.5434

Details

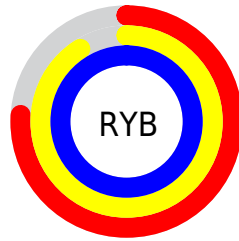
The Yxy color **87.9906, 0.2890, 0.3539** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.1681, 0.3444, 0.3055**, and the grayscale version is **81.6204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **48.4309, 0.2839, 0.3601** is the 20% darker color. If you saturate the color by 10%, you get **84.4110, 0.2802, 0.3661**, and if you desaturate by 10%, it is **92.1804, 0.2986, 0.3428**.

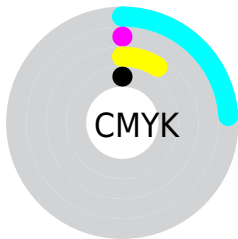
Distribution



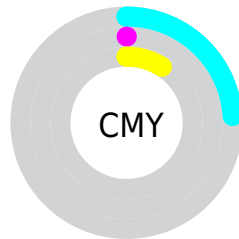
- Red (76%)
- Green (100%)
- Blue (91%)



- Red (76%)
- Yellow (91%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9906, 0.2890, 0.3539 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 87.9906, 0.2890, 0.3539 by changing the saturation by 10% instead.

 87.9906, 0.2890,
0.3539

 87.9906, 0.2890,
0.3539

521.4725, 0.2997,
0.3426

 66.3153, 0.2866,
0.3564


 144.5441, 0.2927,
0.3500

 48.5284, 0.2837,
0.3596


180.1910, 0.2941,
0.3485

 34.2455, 0.2801,
0.3635


221.2640, 0.2953,
0.3472

 23.0823, 0.2754,
0.3686

268.1473, 0.2964,
0.3460

 14.6543, 0.2692,
0.3754

321.2254, 0.2974,
0.3450

 8.5771, 0.2605,
0.3851

380.8827, 0.2982,


 4.4664, 0.2474,


0.3441


0.3998


447.5036, 0.2990,
0.3433


 1.9377, 0.2259,
0.4248


 0.5709, 0.0000,
0.6662


 87.9906, 0.2890,
0.3539


 87.9906, 0.2890,
0.3539


 84.4110, 0.2802,
0.3661


 92.1804, 0.2986,
0.3428


 81.4009, 0.2725,
0.3792

 96.9972, 0.3086,
0.3327


 78.9317, 0.2661,
0.3931

 99.3689, 0.3128,
0.3281

 76.9675, 0.2615,
0.4076

 75.4684, 0.2588,
0.4224

 74.3877, 0.2582,
0.4372

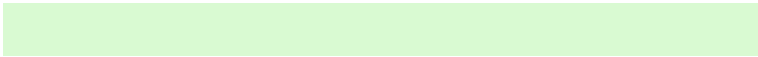
 73.6686, 0.2596,
0.4518

 73.3632, 0.2612,
0.4603

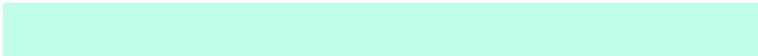
Harmonies

Analogous

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



87.9906, 0.3154, 0.3724



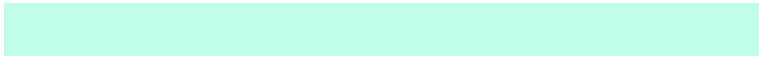
87.9906, 0.2890, 0.3539



87.9906, 0.2695, 0.3284

Triad

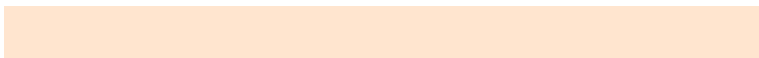
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9906, 0.2890, 0.3539



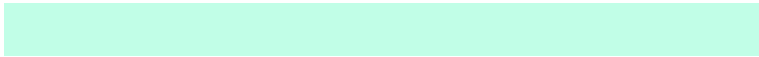
87.9906, 0.2829, 0.2838



87.9906, 0.3670, 0.3499

Complementary

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



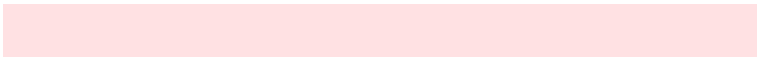
87.9906, 0.2890, 0.3539



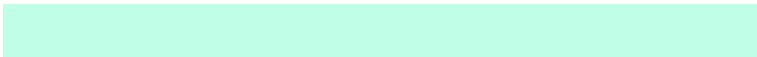
64.1681, 0.3444, 0.3055

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.



87.9906, 0.3577, 0.3272



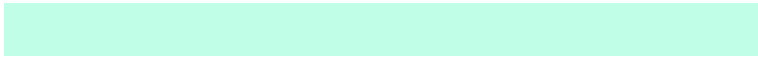
87.9906, 0.2890, 0.3539



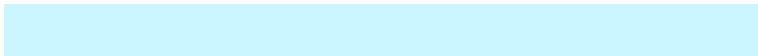
87.9906, 0.3082, 0.2901

Square

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



87.9906, 0.2890, 0.3539



87.9906, 0.2661, 0.2885



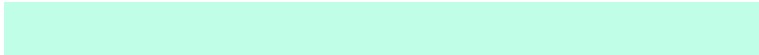
87.9906, 0.3357, 0.3057



87.9906, 0.3610, 0.3686

Rectangle

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



87.9906, 0.2890, 0.3539



87.9906, 0.2626, 0.3117



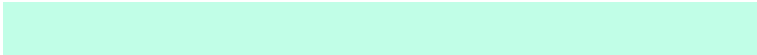
87.9906, 0.3357, 0.3057



87.9906, 0.3656, 0.3425

Sweetspot

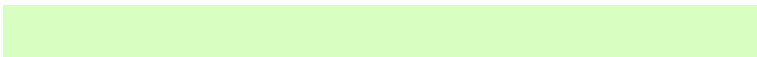
The Sweet Spot groups the original color and five complimentary colors.



87.9942, 0.2890, 0.3539



96.3441, 0.3056, 0.3356



89.3961, 0.3242, 0.3943



20.5574, 0.3050, 0.3362



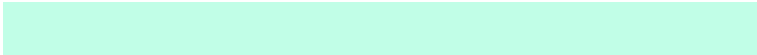
0.0000, 0.0000, 0.0000



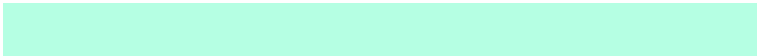
21.4041, 0.3127, 0.3290

Same Dimension

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



87.9942, 0.2890, 0.3539



86.9012, 0.2845, 0.3598



84.9471, 0.2765, 0.3213



20.3584, 0.3031, 0.3381



38.7047, 0.2605, 0.4580



3.7898, 0.2560, 0.4415

Inverse Universe

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



64.1681, 0.3444, 0.3055



58.9292, 0.3531, 0.3003



66.2827, 0.3614, 0.3365



18.1005, 0.3235, 0.3201



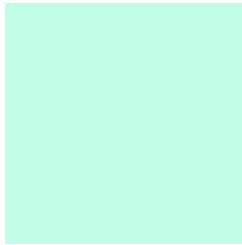
11.5788, 0.5476, 0.2790



1.1478, 0.5167, 0.2620

Previews

White Background



This preview shows how the Yxy color 87.9906, 0.2890, 0.3539 looks on a white background.

Color Contrast Check

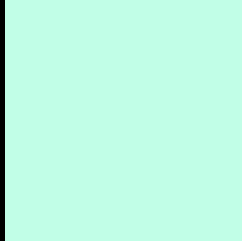
Large Text (above 18pt) WCAG AA × Fail

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 87.9906, 0.2890, 0.3539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

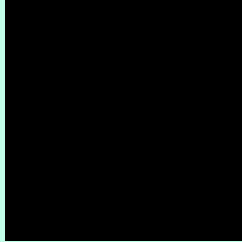
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

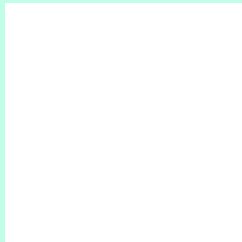
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9906, 0.2890, 0.3539

Background



This preview shows how black text looks on a background with the Yxy color 87.9906, 0.2890, 0.3539.

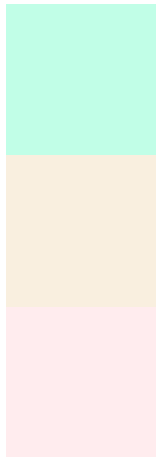


This preview shows how white text looks on a background with the Yxy color 87.9906, 0.2890, 0.3539.

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

87.9906, 0.2890, 0.3539

Protanopia

87.2005, 0.3294, 0.3451

Deuteranopia

87.4240, 0.3243, 0.3271



Tritanopia

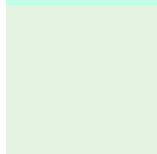
87.8970, 0.2920, 0.3188

Trichromacy



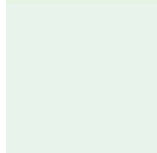
Original Color

87.9906, 0.2890, 0.3539



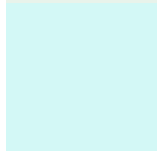
Protanomaly

86.8504, 0.3138, 0.3476



Deuteranomaly

87.2551, 0.3104, 0.3372



Tritanomaly

87.6375, 0.2911, 0.3310

Monochromacy



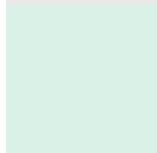
Original Color

87.9906, 0.2890, 0.3539



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.6422, 0.3032, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9906, 0.2890, 0.3539 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(193, 254, 231)` looks like.

```
.text, #text, p{  
    color:rgb(193, 254, 231)  
}
```

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(193, 254, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 254, 231) }
```

Border

The CSS property to change the border of an element to Yxy 87.9906, 0.2890, 0.3539 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(193, 254, 231) }
```

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

```
.border{ border-color:rgb(193, 254, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 254, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 254, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 254, 231);  
box-shadow:4px 4px 4px 4px rgb(193, 254,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9906, 0.2890, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 254, 231) }
```

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

```
.background{ background-color: rgb(193,  
254, 231) }
```

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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