

# Converting Colors

Yxy(88.8412, 0.2887, 0.3531)

Have a look what the booklet for  
Yxy(88.8412, 0.2887, 0.3531)  
contains.

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# Color

**Yxy(88.8725, 0.2886, 0.3527)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2FFE9
RGB	194, 255, 233
RGB Percent	76%, 100%, 91%
CMY	0.2390, 0.0000, 0.0864
CMYK	0.24, 0.00, 0.09, 0.00
HSL	158°, 100%, 88%
HSV	158°, 24%, 100%
XYZ	72.7207, 88.8725, 90.3844
YIQ	234.2530, -29.2940, -19.7740

# Conversions

## Conversions Part 2

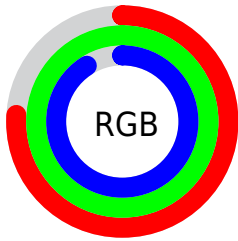
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 231, 255
Decimal	12779497
CIELab	95.53, -23.41, 4.32
CIElCh	96, 23.807, 169.535
Yxy	88.8725, 0.2886, 0.3527
Android (android.graphics.Color)	4290969577 (0xFFC2FFE9)
YUV	234.2530, -0.6177, -35.3019
Hunter-Lab	94.2722, -27.2831, 9.1457

# Details

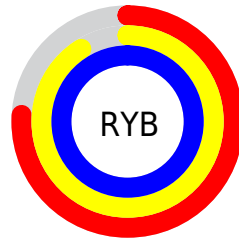
The Yxy color **88.8725, 0.2886, 0.3527** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.8272, 0.3450, 0.3066**, and the grayscale version is **82.5097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **49.0515, 0.2834, 0.3584** is the 20% darker color. If you saturate the color by 10%, you get **85.2725, 0.2796, 0.3643**, and if you desaturate by 10%, it is **93.0863, 0.2984, 0.3421**.

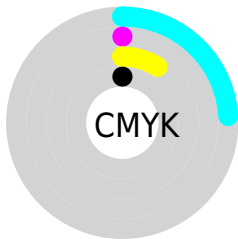
# Distribution



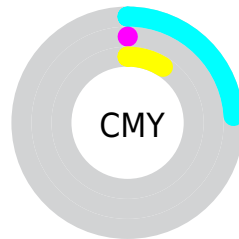
- Red (76%)
- Green (100%)
- Blue (91%)



- 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 88.8725, 0.2886, 0.3527 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 88.8725, 0.2886, 0.3527 by changing the saturation by 10% instead.





 88.8725, 0.2886,  
0.3527

 88.8725, 0.2886,  
0.3527


524.3563, 0.2994,  
0.3420

 67.0459, 0.2862,  
0.3551


 145.7713, 0.2923,  
0.3490

 49.1219, 0.2833,  
0.3581


181.6122, 0.2938,  
0.3476

 34.7162, 0.2796,  
0.3618


222.8933, 0.2950,  
0.3463

 23.4443, 0.2749,  
0.3665


269.9991, 0.2961,  
0.3452

 14.9220, 0.2686,  
0.3729

323.3139, 0.2971,  
0.3443

 8.7646, 0.2599,  
0.3820

383.2221, 0.2980,

 4.5880, 0.2470,

0.3434

0.3957

450.1081, 0.2987,  
0.3426

■ 2.0076, 0.2257,  
0.4187

■ 0.6119, 0.0102,  
0.6207

■ 88.8725, 0.2886,  
0.3527

■ 88.8725, 0.2886,  
0.3527

■ 85.2725, 0.2796,  
0.3643

■ 93.0863, 0.2984,  
0.3421


■ 82.2453, 0.2717,  
0.3768


■ 97.9308, 0.3086,  
0.3325


■ 79.7620, 0.2652,  
0.3901

■ 99.9992, 0.3127,  
0.3290

■ 77.7867, 0.2604,  
0.4039

 76.2790, 0.2576,  
0.4180

 75.1921, 0.2568,  
0.4322

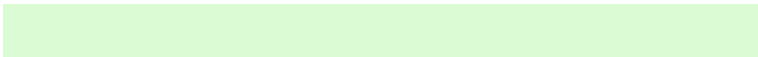
 74.4689, 0.2581,  
0.4462

 74.1569, 0.2596,  
0.4545

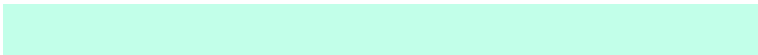
# Harmonies

## Analogous

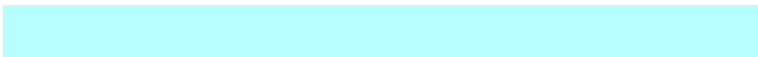
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8725, 0.3144, 0.3712



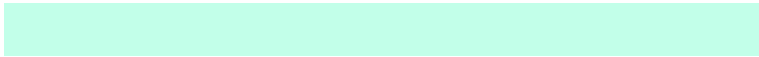
88.8725, 0.2886, 0.3527



88.8725, 0.2697, 0.3275

# Triad

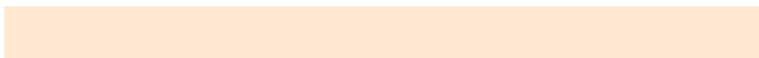
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8725, 0.2886, 0.3527



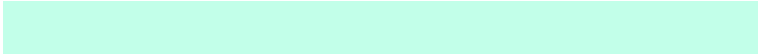
88.8725, 0.2841, 0.2845



88.8725, 0.3661, 0.3503

# Complementary

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



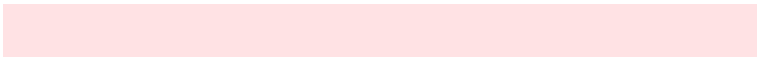
88.8725, 0.2886, 0.3527



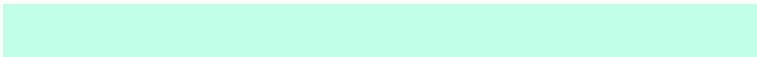
64.8272, 0.3450, 0.3066

# 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.



88.8725, 0.3575, 0.3280



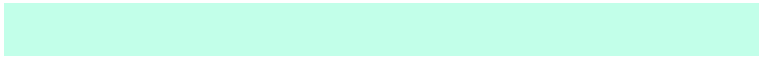
88.8725, 0.2886, 0.3527



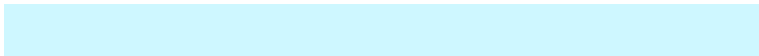
88.8725, 0.3092, 0.2911

# Square

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



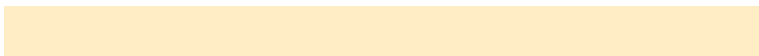
88.8725, 0.2886, 0.3527



88.8725, 0.2672, 0.2889



88.8725, 0.3362, 0.3067

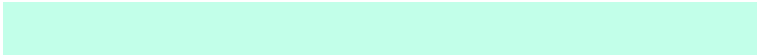


88.8725, 0.3598, 0.3685

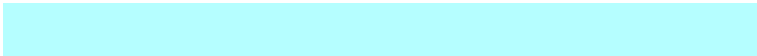


# Rectangle

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



88.8725, 0.2886, 0.3527



88.8725, 0.2632, 0.3113



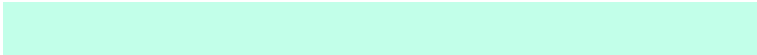
88.8725, 0.3362, 0.3067



88.8725, 0.3649, 0.3431

# Sweetspot

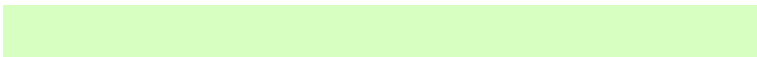
The Sweet Spot groups the original color and five complimentary colors.



88.8762, 0.2886, 0.3527



96.3617, 0.3054, 0.3353



90.0759, 0.3235, 0.3941



20.5614, 0.3048, 0.3359



0.0000, 0.0000, 0.0000

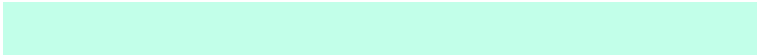


21.4041, 0.3127, 0.3290

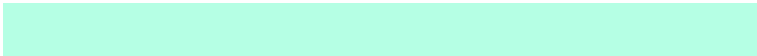


# Same Dimension

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



88.8762, 0.2886, 0.3527



86.9661, 0.2839, 0.3585



85.1390, 0.2766, 0.3203



20.3635, 0.3028, 0.3377



38.7786, 0.2590, 0.4522



3.7967, 0.2546, 0.4365



# Inverse Universe

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



64.8272, 0.3450, 0.3066



58.8715, 0.3541, 0.3015



67.4805, 0.3609, 0.3375



18.0956, 0.3237, 0.3204



11.5402, 0.5538, 0.2825

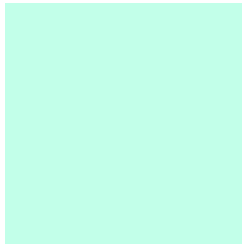


1.1437, 0.5226, 0.2652



# Previews

## White Background



This preview shows how the Yxy color 88.8725, 0.2886, 0.3527 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

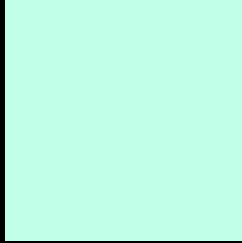
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8725, 0.2886, 0.3527 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

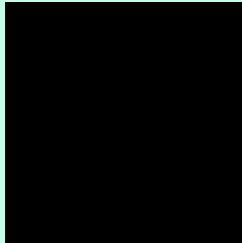
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

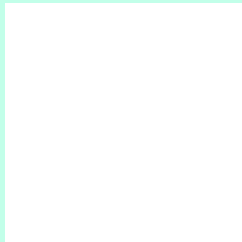
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.8725, 0.2886, 0.3527**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8725, 0.2886, 0.3527.

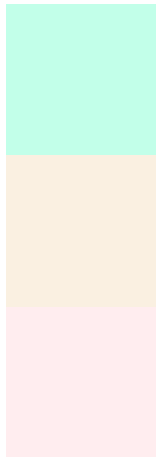


This preview shows how white text looks on a background with the Yxy color 88.8725, 0.2886, 0.3527.

# 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

88.8725, 0.2886, 0.3527

### Protanopia

88.0804, 0.3287, 0.3440

### Deuteranopia

88.0604, 0.3235, 0.3271



## Tritanopia

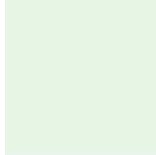
88.3721, 0.2938, 0.3188

# Trichromacy



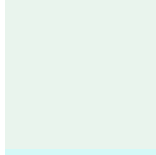
## Original Color

88.8725, 0.2886, 0.3527



## Protanomaly

87.7292, 0.3132, 0.3465



## Deuteranomaly

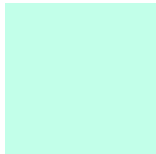
88.1394, 0.3098, 0.3361



## Tritanomaly

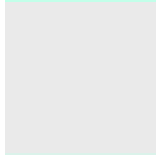
88.6129, 0.2918, 0.3310

# Monochromacy



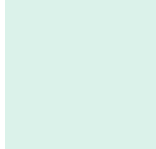
## Original Color

88.8725, 0.2886, 0.3527



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

84.5048, 0.3027, 0.3374

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8725, 0.2886, 0.3527 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(194, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(194, 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(194, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8725, 0.2886, 0.3527 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(194, 255, 233) }
```

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

```
.border{ border-color:rgb(194, 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(194, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8725, 0.2886, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 233) }
```

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

```
.background{ background-color: rgb(194,  
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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