

# Converting Colors

$Yxy(87.5738, 0.2856, 0.3395)$

Have a look what the booklet for  
Yxy(87.5738, 0.2856, 0.3395)  
contains.

<b>Yxy(87.2755, 0.2853, 0.3385)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(87.2755, 0.2853, 0.3385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FBF2
RGB	197, 251, 242
RGB Percent	77%, 98%, 95%
CMY	0.2273, 0.0157, 0.0509
CMYK	0.22, 0.00, 0.04, 0.02
HSL	170°, 87%, 88%
HSV	170°, 22%, 98%
XYZ	73.5589, 87.2755, 96.9957
YIQ	233.8280, -29.2950, -14.2470

# Conversions

## Conversions Part 2

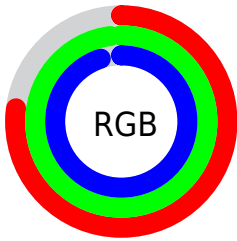
Format	Color
<a href="#">RYB</a>	<a href="#">197, 226, 251</a>
Decimal	<a href="#">12975090</a>
CIELab	<a href="#">94.86, -18.76, -1.31</a>
CIElCh	<a href="#">95, 18.810, 183.994</a>
Yxy	<a href="#">87.2755, 0.2853, 0.3385</a>
Android (android.graphics.Color)	<a href="#">4291165170</a> ( <a href="#">0xFFC5FBF2</a> )
YUV	<a href="#">233.8280, 4.0288, -32.2982</a>
Hunter-Lab	<a href="#">93.4214, -22.9385, 3.8365</a>

# Details

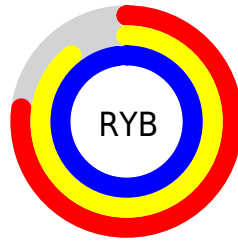
The Yxy color **87.2755, 0.2853, 0.3385** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.9108, 0.3493, 0.3198**, and the grayscale version is **82.1355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **47.8795, 0.2792, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **83.9197, 0.2739, 0.3435**, and if you desaturate by 10%, it is **91.2083, 0.2977, 0.3338**.

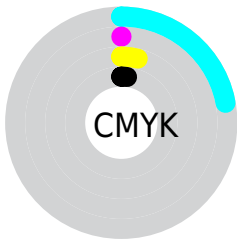
# Distribution



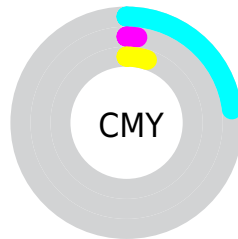
- Red (77%)
- Green (98%)
- Blue (95%)



- Red (77%)
- Yellow (89%)
- Blue (98%)



- Cyan (22%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)




- Cyan (23%)
- Magenta (2%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2755, 0.2853, 0.3385 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 87.2755, 0.2853, 0.3385 by changing the saturation by 10% instead.




 87.2755, 0.2853,  
0.3385

 87.2755, 0.2853,  
0.3385

519.1277, 0.2975,  
0.3343

 65.7232, 0.2826,  
0.3394

143.5481, 0.2895,  
0.3371

 48.0478, 0.2793,  
0.3405


179.0372, 0.2911,  
0.3365

 33.8647, 0.2752,  
0.3419


219.9406, 0.2925,  
0.3360

 22.7897, 0.2700,  
0.3436

266.6429, 0.2938,  
0.3356

 14.4383, 0.2632,  
0.3459

319.5284, 0.2949,  
0.3352

 8.4261, 0.2536,  
0.3490

378.9814, 0.2959,

 4.3688, 0.2396,

0.3349

0.3535

445.3864, 0.2967,  
0.3346

■ 1.8819, 0.2171,  
0.3606

■ 0.5375, 0.0417,  
0.4242

■ 87.2755, 0.2853,  
0.3385

■ 87.2755, 0.2853,  
0.3385

■ 83.9197, 0.2739,  
0.3435

■ 91.2083, 0.2977,  
0.3338

■ 81.1022, 0.2637,  
0.3489


■ 95.7334, 0.3107,  
0.3296


■ 78.7963, 0.2551,  
0.3546


■ 97.4425, 0.3132,  
0.3256


■ 76.9686, 0.2483,  
0.3604

■ 97.4721, 0.3129,  
0.3252

 75.5819, 0.2434,  
0.3664

 74.5933, 0.2405,  
0.3725

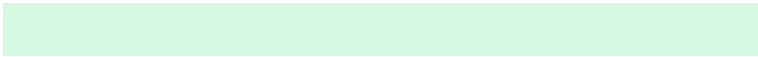
 73.9511, 0.2395,  
0.3785

 73.6102, 0.2399,  
0.3835

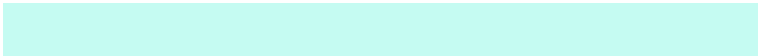
# Harmonies

## Analogous

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



87.2755, 0.3039, 0.3563



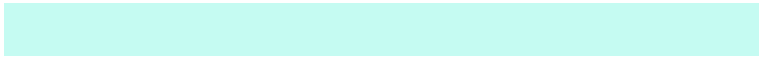
87.2755, 0.2853, 0.3385



87.2755, 0.2741, 0.3186

# Triad

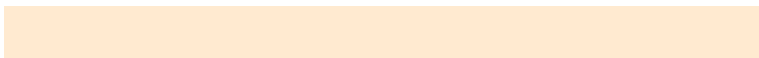
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2755, 0.2853, 0.3385



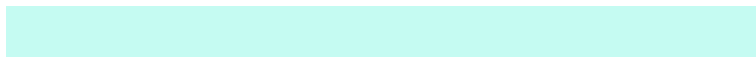
87.2755, 0.2991, 0.2948



87.2755, 0.3541, 0.3540

# Complementary

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



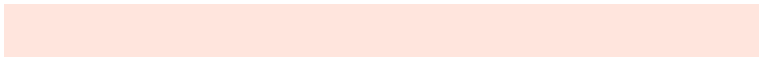
87.2755, 0.2853, 0.3385



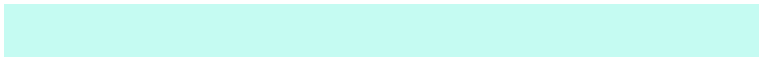
64.9108, 0.3493, 0.3198

# 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.



87.2755, 0.3529, 0.3372



87.2755, 0.2853, 0.3385



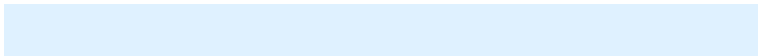
87.2755, 0.3206, 0.3039

# Square

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



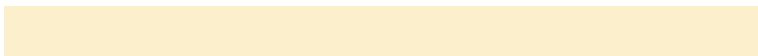
87.2755, 0.2853, 0.3385



87.2755, 0.2818, 0.2941



87.2755, 0.3405, 0.3191

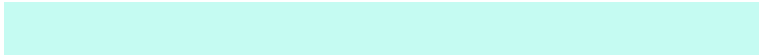


87.2755, 0.3439, 0.3648

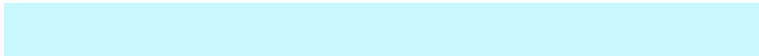


# Rectangle

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



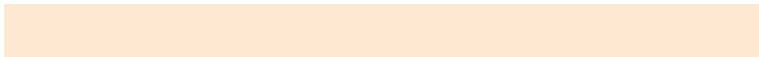
87.2755, 0.2853, 0.3385



87.2755, 0.2721, 0.3071



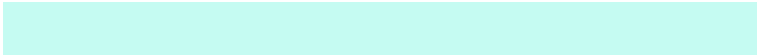
87.2755, 0.3405, 0.3191



87.2755, 0.3551, 0.3488

# Sweetspot

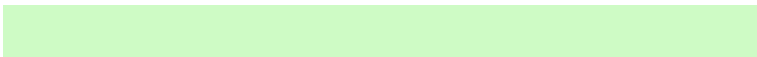
The Sweet Spot groups the original color and five complimentary colors.



87.2791, 0.2853, 0.3385



97.0502, 0.3048, 0.3315



86.1500, 0.3155, 0.3881



20.7070, 0.3039, 0.3317



0.0000, 0.0000, 0.0000

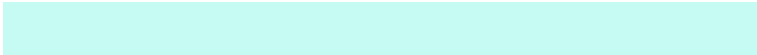


21.4041, 0.3127, 0.3290

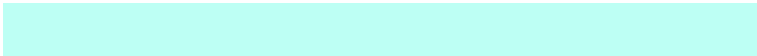


# Same Dimension

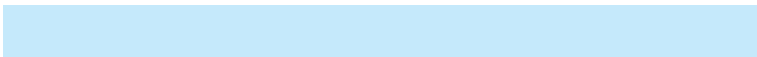
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2791, 0.2853, 0.3385



88.8312, 0.2800, 0.3407



77.1213, 0.2793, 0.3095



19.5562, 0.3002, 0.3330



38.7125, 0.2396, 0.3825



3.5982, 0.2376, 0.3754



# Inverse Universe

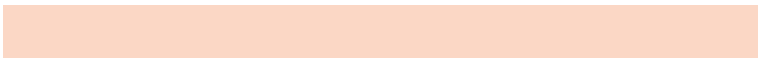
The Inverse Universe completely reimagines the original color for something new.



64.9108, 0.3493, 0.3198



61.6831, 0.3593, 0.3177



73.1516, 0.3526, 0.3477



17.2723, 0.3268, 0.3251



10.8813, 0.6161, 0.3168

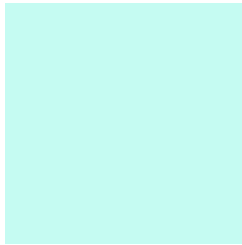


1.0207, 0.5865, 0.3005



# Previews

## White Background



This preview shows how the Yxy color 87.2755, 0.2853, 0.3385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

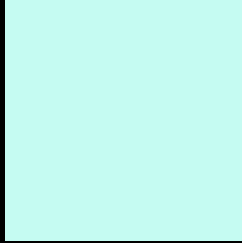
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.2755, 0.2853, 0.3385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

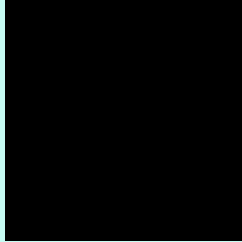
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

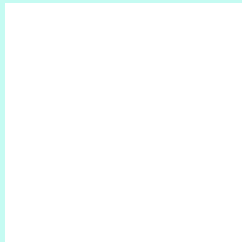
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.2755, 0.2853, 0.3385**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.2755, 0.2853, 0.3385.

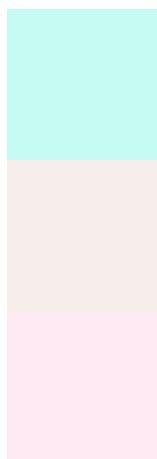


This preview shows how white text looks on a background with the Yxy color 87.2755, 0.2853, 0.3385.

# 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

87.2755, 0.2853, 0.3385

### Protanopia

86.5597, 0.3192, 0.3320

### Deuteranopia

86.6373, 0.3206, 0.3193



## Tritanopia

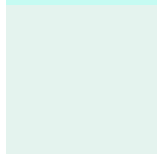
87.1370, 0.2914, 0.3177

# Trichromacy



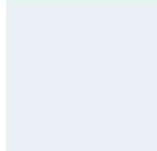
## Original Color

87.2755, 0.2853, 0.3385



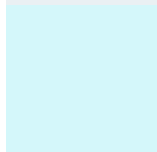
## Protanomaly

86.7682, 0.3060, 0.3341



## Deuteranomaly

86.2837, 0.3070, 0.3259



## Tritanomaly

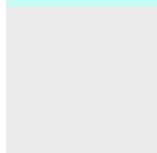
87.4207, 0.2895, 0.3258

# Monochromacy



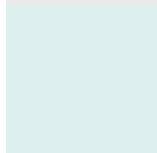
## Original Color

87.2755, 0.2853, 0.3385



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

83.8068, 0.3022, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.2755, 0.2853, 0.3385 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(197, 251, 242)` looks like.

```
.text, #text, p{  
    color:rgb(197, 251, 242)  
}
```

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(197, 251, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 251, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 87.2755, 0.2853, 0.3385 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(197, 251, 242) }
```

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

```
.border{ border-color:rgb(197, 251, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 251, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 251, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 251, 242);  
box-shadow:4px 4px 4px 4px rgb(197, 251,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.2755, 0.2853, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 251, 242) }
```

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

```
.background{ background-color: rgb(197,  
251, 242) }
```

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