

# Converting Colors

$Yxy(86.1296, 0.2781, 0.3336)$

Have a look what the booklet for  
Yxy(86.1296, 0.2781, 0.3336)  
contains.

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# Color

**Yxy(86.3395, 0.2783, 0.3343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCFBF6
RGB	188, 251, 246
RGB Percent	74%, 98%, 96%
CMY	0.2626, 0.0157, 0.0353
CMYK	0.25, 0.00, 0.02, 0.02
HSL	175°, 89%, 86%
HSV	175°, 25%, 98%
XYZ	71.8764, 86.3395, 100.0536
YIQ	231.5930, -35.9430, -14.9110

# Conversions

## Conversions Part 2

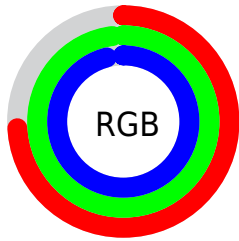
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 221, 251
Decimal	12385270
CIELab	94.46, -20.58, -4.00
CIELCh	94, 20.961, 190.993
Yxy	86.3395, 0.2783, 0.3343
Android (android.graphics.Color)	4290575350 (0xFFBCFBF6)
YUV	231.5930, 7.1027, -38.2311
Hunter-Lab	92.9191, -24.5318, 1.2009

# Details

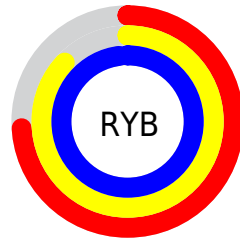
The Yxy color **86.3395, 0.2783, 0.3343** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.3468, 0.3618, 0.3239**, and the grayscale version is **80.3497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **47.2878, 0.2706, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **83.3047, 0.2664, 0.3367**, and if you desaturate by 10%, it is **89.9371, 0.2914, 0.3321**.

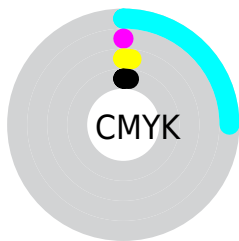
# Distribution



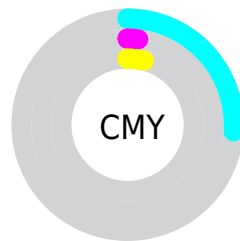
- Red (74%)
- Green (98%)
- Blue (96%)



- Red (74%)
- Yellow (87%)
- Blue (98%)



- Cyan (25%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)




- Cyan (26%)
- Magenta (2%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.3395, 0.2783, 0.3343 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 86.3395, 0.2783, 0.3343 by changing the saturation by 10% instead.




 86.3395, 0.2783,  
0.3343

 86.3395, 0.2783,  
0.3343

516.0500, 0.2936,  
0.3321

 64.9487, 0.2749,  
0.3348


 142.2432, 0.2835,  
0.3336

 47.4195, 0.2708,  
0.3353


177.5249, 0.2856,  
0.3333

 33.3674, 0.2658,  
0.3359


218.2056, 0.2873,  
0.3330

 22.4081, 0.2593,  
0.3367

264.6699, 0.2889,  
0.3328

 14.1570, 0.2508,  
0.3377

317.3021, 0.2903,  
0.3326

 8.2300, 0.2390,  
0.3388


376.4866, 0.2915,


 4.2425, 0.2219,


0.3324


0.3402

442.6078, 0.2926,  
0.3322


 1.8101, 0.1947,  
0.3417


 0.4935, 0.0000,  
0.3766


 86.3395, 0.2783,  
0.3343

 86.3395, 0.2783,  
0.3343


 83.3047, 0.2664,  
0.3367


 89.9371, 0.2914,  
0.3321


 80.7933, 0.2560,  
0.3393

 94.1134, 0.3054,  
0.3300

 78.7777, 0.2474,  
0.3419

 97.2801, 0.3147,  
0.3281

 77.2232, 0.2406,  
0.3446

 97.4074, 0.3135,  
0.3262

76.0909, 0.2358,  
0.3473

97.4731, 0.3129,  
0.3252

75.3351, 0.2329,  
0.3501

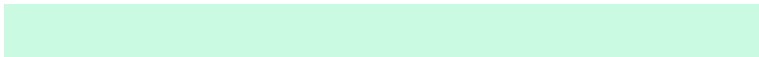
74.9000, 0.2318,  
0.3528

74.7636, 0.2317,  
0.3541

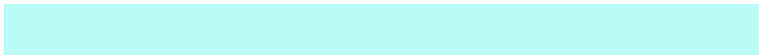
# Harmonies

## Analogous

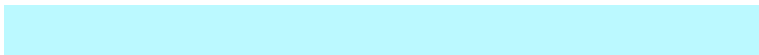
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3395, 0.2975, 0.3556



86.3395, 0.2783, 0.3343



86.3395, 0.2683, 0.3124

# Triad

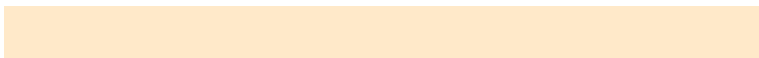
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3395, 0.2783, 0.3343



86.3395, 0.3028, 0.2925



86.3395, 0.3575, 0.3604

# Complementary

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



86.3395, 0.2783, 0.3343



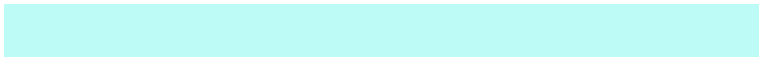
60.3468, 0.3618, 0.3239

# 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.



86.3395, 0.3593, 0.3427



86.3395, 0.2783, 0.3343



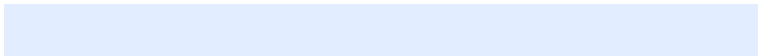
86.3395, 0.3271, 0.3045

# Square

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



86.3395, 0.2783, 0.3343



86.3395, 0.2820, 0.2894



86.3395, 0.3480, 0.3225

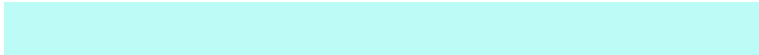


86.3395, 0.3433, 0.3705

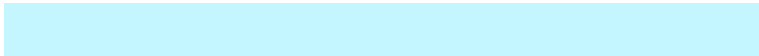


# Rectangle

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



86.3395, 0.2783, 0.3343



86.3395, 0.2679, 0.3007



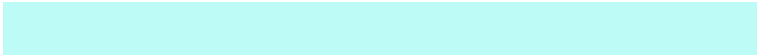
86.3395, 0.3480, 0.3225



86.3395, 0.3596, 0.3551

# Sweetspot

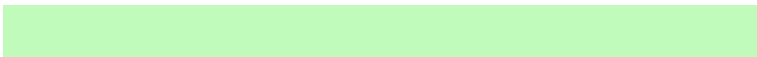
The Sweet Spot groups the original color and five complimentary colors.



86.3430, 0.2783, 0.3343



96.2300, 0.3012, 0.3306



84.0014, 0.3126, 0.4000



20.4550, 0.2991, 0.3309



0.0000, 0.0000, 0.0000

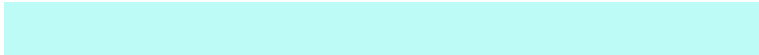


21.4041, 0.3127, 0.3290

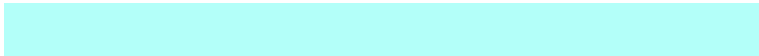


# Same Dimension

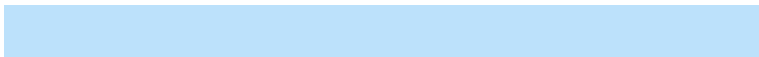
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3430, 0.2783, 0.3343



87.8782, 0.2723, 0.3355



71.3864, 0.2732, 0.2999



19.5834, 0.2991, 0.3309



39.3098, 0.2316, 0.3536



3.6476, 0.2307, 0.3504



# Inverse Universe

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



60.3468, 0.3618, 0.3239



56.7856, 0.3750, 0.3228



72.3739, 0.3594, 0.3564



17.2476, 0.3282, 0.3271



10.8150, 0.6316, 0.3253

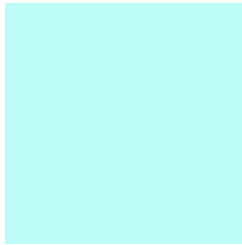


1.0091, 0.6129, 0.3150



# Previews

## White Background



This preview shows how the Yxy color 86.3395, 0.2783, 0.3343 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

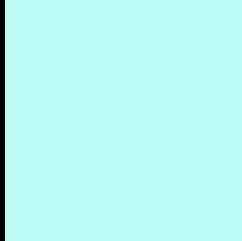
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.3395, 0.2783, 0.3343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

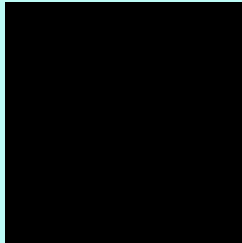
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.3395, 0.2783, 0.3343**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.3395, 0.2783, 0.3343.

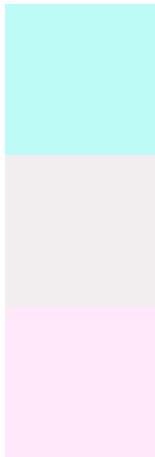


This preview shows how white text looks on a background with the Yxy color 86.3395, 0.2783, 0.3343.

# 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

86.3395, 0.2783, 0.3343

### Protanopia

85.6187, 0.3154, 0.3280

### Deuteranopia

85.8128, 0.3175, 0.3125



## Tritanopia

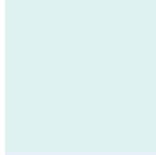
86.2175, 0.2878, 0.3176

# Trichromacy



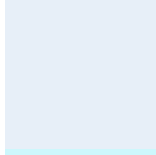
## Original Color

86.3395, 0.2783, 0.3343



## Protanomaly

85.3847, 0.3005, 0.3300



## Deuteranomaly

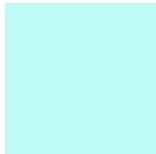
85.4992, 0.3021, 0.3198



## Tritanomaly

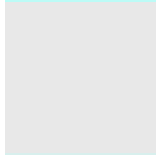
86.5289, 0.2843, 0.3237

# Monochromacy



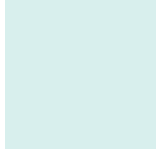
## Original Color

86.3395, 0.2783, 0.3343



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.4464, 0.2990, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.3395, 0.2783, 0.3343 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(188, 251, 246)` looks like.

```
.text, #text, p{  
    color:rgb(188, 251, 246)  
}
```

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(188, 251, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 251, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 86.3395, 0.2783, 0.3343 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(188, 251, 246) }
```

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

```
.border{ border-color:rgb(188, 251, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 251, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 251, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 251, 246);  
box-shadow:4px 4px 4px 4px rgb(188, 251,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.3395, 0.2783, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 251, 246) }
```

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

```
.background{ background-color: rgb(188,  
251, 246) }
```

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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