

# Converting Colors

$Yxy(86.1532, 0.2859, 0.3569)$

Have a look what the booklet for  
Yxy(86.1532, 0.2859, 0.3569)  
contains.

<b>Yxy(86.0423, 0.2855, 0.3566)</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(86.0423, 0.2855, 0.3566)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8FDE4
RGB	184, 253, 228
RGB Percent	72%, 99%, 89%
CMY	0.2786, 0.0078, 0.1060
CMYK	0.27, 0.00, 0.10, 0.01
HSL	158°, 95%, 86%
HSV	158°, 27%, 99%
XYZ	68.8869, 86.0423, 86.3560
YIQ	229.5190, -33.0990, -22.4030

# Conversions

## Conversions Part 2

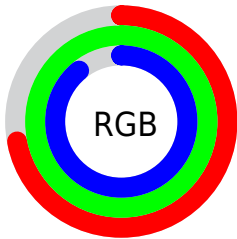
Format	Color
<a href="#">RYB</a>	<a href="#">184, 226, 253</a>
Decimal	<a href="#">12123620</a>
CIELab	<a href="#">94.33, -26.43, 5.10</a>
CIElCh	<a href="#">94, 26.922, 169.089</a>
Yxy	<a href="#">86.0423, 0.2855, 0.3566</a>
Android (android.graphics.Color)	<a href="#">4290313700 (0xFFB8FDE4)</a>
YUV	<a href="#">229.5190, -0.7489, -39.9202</a>
Hunter-Lab	<a href="#">92.7590, -29.7662, 9.7340</a>

# Details

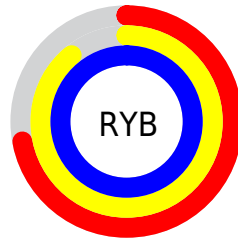
The Yxy color **86.0423, 0.2855, 0.3566** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.7569, 0.3508, 0.3031**, and the grayscale version is **78.7769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **47.1641, 0.2790, 0.3622** is the 20% darker color. If you saturate the color by 10%, you get **82.7002, 0.2768, 0.3686**, and if you desaturate by 10%, it is **89.9773, 0.2950, 0.3456**.

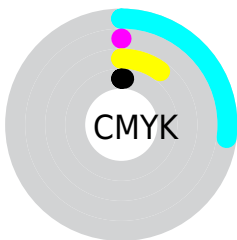
# Distribution



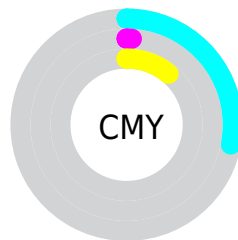
- Red (72%)
- Green (99%)
- Blue (89%)



- Red (72%)
- Yellow (89%)
- Blue (99%)



- Cyan (27%)
- Magenta (0%)
- Yellow (10%)
- Black (1%)




- Cyan (28%)
- Magenta (1%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.0423, 0.2855, 0.3566 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 86.0423, 0.2855, 0.3566 by changing the saturation by 10% instead.




 86.0423, 0.2855,  
0.3566

 86.0423, 0.2855,  
0.3566


515.0707, 0.2978,  
0.3440

 64.7030, 0.2827,  
0.3595


 141.8285, 0.2897,  
0.3522

 47.2203, 0.2794,  
0.3630


177.0442, 0.2914,  
0.3505

 33.2098, 0.2752,  
0.3674


217.6541, 0.2928,  
0.3491

 22.2872, 0.2697,  
0.3731

264.0426, 0.2941,  
0.3478

 14.0681, 0.2624,  
0.3809

316.5941, 0.2952,  
0.3467

 8.1680, 0.2522,  
0.3919


375.6930, 0.2962,


 4.2027, 0.2369,


0.3457


0.4088


441.7237, 0.2970,  
0.3448

 1.7876, 0.2114,  
0.4380


 0.4794, 0.0000,  
0.7431


 86.0423, 0.2855,  
0.3566


 86.0423, 0.2855,  
0.3566


 82.7002, 0.2768,  
0.3686

 89.9773, 0.2950,  
0.3456


 79.9101, 0.2694,  
0.3814


 94.5225, 0.3051,  
0.3356

 77.6426, 0.2635,  
0.3949

 98.7394, 0.3128,  
0.3271

 75.8612, 0.2593,  
0.4089

 74.5243, 0.2572,  
0.4231

 73.5831, 0.2571,  
0.4373

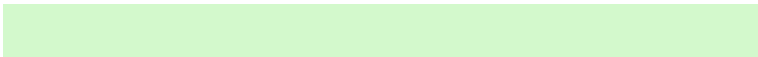
 72.9748, 0.2590,  
0.4512

 72.8417, 0.2597,  
0.4549

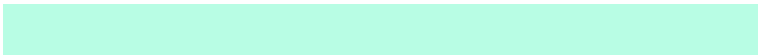
# Harmonies

## Analogous

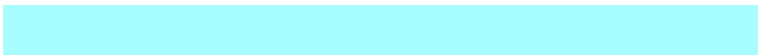
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0423, 0.3149, 0.3778



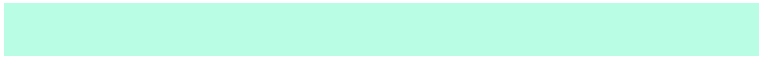
86.0423, 0.2855, 0.3566



86.0423, 0.2640, 0.3275

# Triad

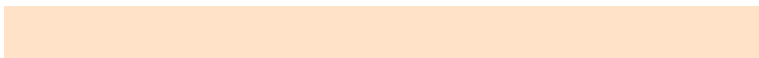
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.0423, 0.2855, 0.3566



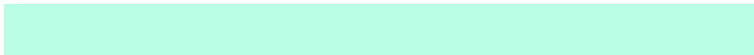
86.0423, 0.2797, 0.2785



86.0423, 0.3739, 0.3527

# Complementary

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



86.0423, 0.2855, 0.3566



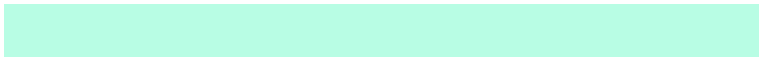
59.7569, 0.3508, 0.3031

# 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.



86.0423, 0.3637, 0.3272



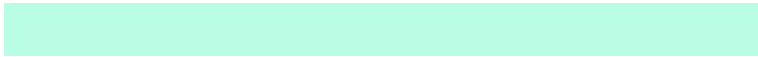
86.0423, 0.2855, 0.3566



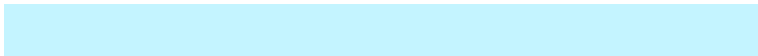
86.0423, 0.3081, 0.2859

# Square

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



86.0423, 0.2855, 0.3566



86.0423, 0.2608, 0.2834



86.0423, 0.3391, 0.3033

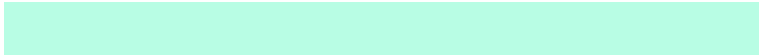


86.0423, 0.3667, 0.3736



# Rectangle

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



86.0423, 0.2855, 0.3566



86.0423, 0.2565, 0.3089



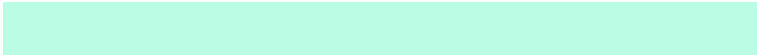
86.0423, 0.3391, 0.3033



86.0423, 0.3724, 0.3444

# Sweetspot

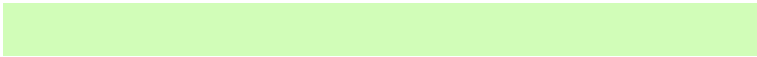
The Sweet Spot groups the original color and five complimentary colors.



86.0458, 0.2855, 0.3566



95.8668, 0.3044, 0.3363



87.3157, 0.3249, 0.4043



20.3631, 0.3029, 0.3378



0.0000, 0.0000, 0.0000

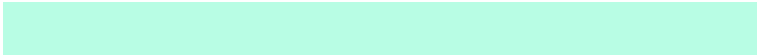


21.4041, 0.3127, 0.3290

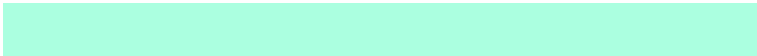


# Same Dimension

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



86.0458, 0.2855, 0.3566



85.5692, 0.2804, 0.3633



81.8650, 0.2718, 0.3189



20.3631, 0.3029, 0.3378



38.7732, 0.2591, 0.4527



3.7962, 0.2547, 0.4369



# Inverse Universe

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



59.7569, 0.3508, 0.3031



54.5635, 0.3617, 0.2974



62.5617, 0.3697, 0.3388



18.0959, 0.3237, 0.3204



11.5429, 0.5534, 0.2822

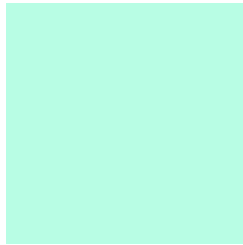


1.1440, 0.5221, 0.2650



# Previews

## White Background



This preview shows how the Yxy color 86.0423, 0.2855, 0.3566 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

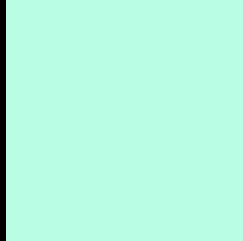
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.0423, 0.2855, 0.3566 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

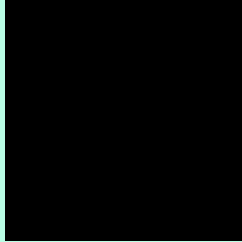
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

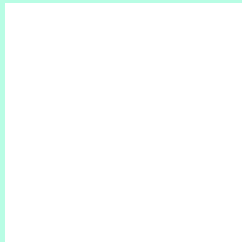
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.0423, 0.2855, 0.3566**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.0423, 0.2855, 0.3566.

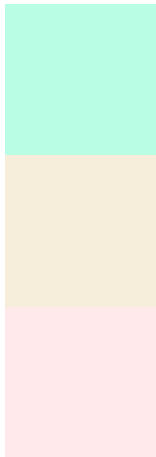


This preview shows how white text looks on a background with the Yxy color 86.0423, 0.2855, 0.3566.

# 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

86.0423, 0.2855, 0.3566

### Protanopia

85.2757, 0.3302, 0.3473

### Deuteranopia

85.4783, 0.3271, 0.3281



## **Tritanopia**

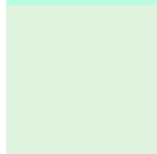
85.4673, 0.2872, 0.3165

# Trichromacy



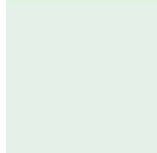
## Original Color

86.0423, 0.2855, 0.3566



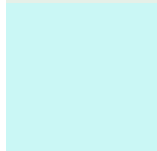
## Protanomaly

85.0631, 0.3123, 0.3511



## Deuteranomaly

84.8044, 0.3104, 0.3373



## Tritanomaly

85.6707, 0.2863, 0.3310

# Monochromacy



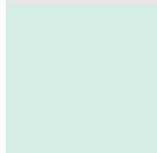
## Original Color

86.0423, 0.2855, 0.3566



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

80.9523, 0.3018, 0.3386

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.0423, 0.2855, 0.3566 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(184, 253, 228)` looks like.

```
.text, #text, p{  
    color:rgb(184, 253, 228)  
}
```

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(184, 253, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 253, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 86.0423, 0.2855, 0.3566 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(184, 253, 228) }
```

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

```
.border{ border-color:rgb(184, 253, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 253, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 253, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 253, 228);  
box-shadow:4px 4px 4px 4px rgb(184, 253,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.0423, 0.2855, 0.3566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 253, 228) }
```

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

```
.background{ background-color: rgb(184,  
253, 228) }
```

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