

Converting Colors

$Yxy(85.9000, 0.3013, 0.3785)$

Have a look what the booklet for
Yxy(85.9000, 0.3013, 0.3785)
contains.

Yxy(86.1421, 0.3013, 0.3789)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.1421, 0.3013, 0.3789)

Conversions

Conversions Part 1

Format	Color
Hex	C1FDD0
RGB	193, 253, 208
RGB Percent	76%, 99%, 82%
CMY	0.2432, 0.0078, 0.1842
CMYK	0.24, 0.00, 0.18, 0.01
HSL	135°, 94%, 87%
HSV	135°, 24%, 99%
XYZ	68.4999, 86.1421, 72.7058
YIQ	229.9300, -21.3150, -26.7150

Conversions

Conversions Part 2

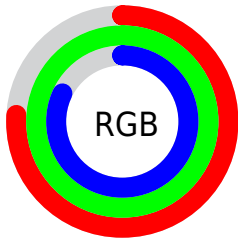
Format	Color
RYB	193, 241, 253
Decimal	12713424
CIELab	94.37, -27.46, 15.49
CIELCh	94, 31.528, 150.577
Yxy	86.1421, 0.3013, 0.3789
Android (android.graphics.Color)	4290903504 (0xFFC1FDD0)
YUV	229.9300, -10.8115, -32.3876
Hunter-Lab	92.8128, -30.6815, 18.5235

Details

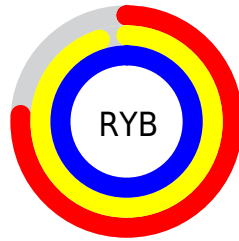
The Yxy color **86.1421, 0.3013, 0.3789** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.1838, 0.3266, 0.2838**, and the grayscale version is **79.1691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **47.2162, 0.2978, 0.3900** is the 20% darker color. If you saturate the color by 10%, you get **82.2224, 0.2968, 0.4041**, and if you desaturate by 10%, it is **90.7494, 0.3061, 0.3562**.

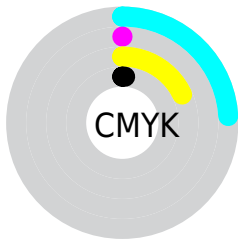
Distribution



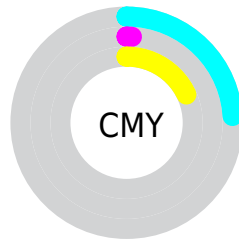
- Red (76%)
- Green (99%)
- Blue (82%)



- Red (76%)
- Yellow (95%)
- Blue (99%)



- Cyan (24%)
- Magenta (0%)
- Yellow (18%)
- Black (1%)




- Cyan (24%)
- Magenta (1%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1421, 0.3013, 0.3789 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 86.1421, 0.3013, 0.3789 by changing the saturation by 10% instead.

 86.1421, 0.3013,
0.3789

 86.1421, 0.3013,
0.3789

515.3997, 0.3068,
0.3557

 64.7855, 0.3000,
0.3842


 141.9678, 0.3033,
0.3708

 47.2872, 0.2983,
0.3908

177.2056, 0.3040,
0.3677

 33.2627, 0.2962,
0.3992


217.8393, 0.3047,
0.3650

 22.3278, 0.2933,
0.4102

264.2533, 0.3052,
0.3626

 14.0979, 0.2892,
0.4252

316.8319, 0.3057,
0.3606

 8.1888, 0.2831,
0.4469


375.9596, 0.3061,


 4.2160, 0.2730,


0.3588


0.4809


442.0207, 0.3065,
0.3571

 1.7951, 0.2562,
0.5462


 0.4841, 0.0000,
1.0000


 86.1421, 0.3013,
0.3789


 86.1421, 0.3013,
0.3789

 82.2224, 0.2968,
0.4041


 90.7494, 0.3061,
0.3562

 78.9465, 0.2929,
0.4313

 96.0639, 0.3109,
0.3359

 76.2824, 0.2898,
0.4598

 98.7363, 0.3128,
0.3271

 74.1910, 0.2879,
0.4887

■ 72.6285, 0.2873,
0.5165

■ 71.5443, 0.2883,
0.5417

■ 70.8777, 0.2907,
0.5627

■ 70.6200, 0.2926,
0.5734

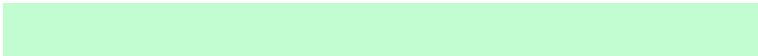
Harmonies

Analogous

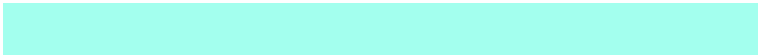
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1421, 0.3371, 0.3931



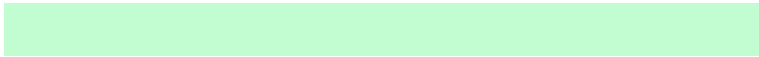
86.1421, 0.3013, 0.3789



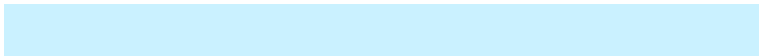
86.1421, 0.2698, 0.3487

Triad

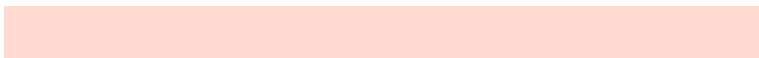
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1421, 0.3013, 0.3789



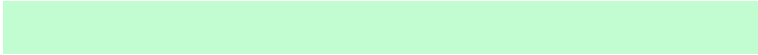
86.1421, 0.2590, 0.2720



86.1421, 0.3794, 0.3380

Complementary

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



86.1421, 0.3013, 0.3789



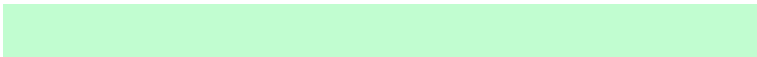
65.1838, 0.3266, 0.2838

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.



86.1421, 0.3561, 0.3091



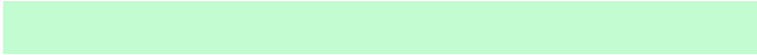
86.1421, 0.3013, 0.3789



86.1421, 0.2857, 0.2722

Square

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



86.1421, 0.3013, 0.3789



86.1421, 0.2464, 0.2864



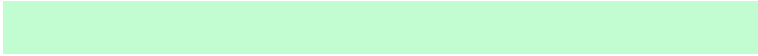
86.1421, 0.3212, 0.2856



86.1421, 0.3835, 0.3665

Rectangle

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



86.1421, 0.3013, 0.3789



86.1421, 0.2551, 0.3252



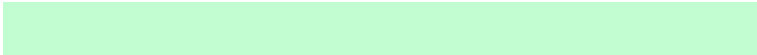
86.1421, 0.3212, 0.2856



86.1421, 0.3735, 0.3281

Sweetspot

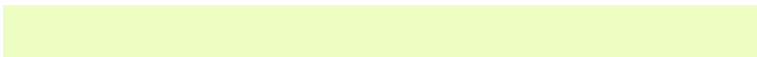
The Sweet Spot groups the original color and five complimentary colors.



86.1457, 0.3013, 0.3789



95.9386, 0.3093, 0.3423



92.2827, 0.3386, 0.3905



20.4635, 0.3090, 0.3435



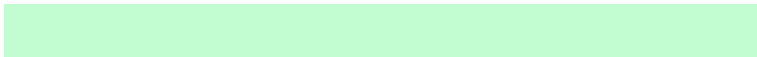
0.0000, 0.0000, 0.0000



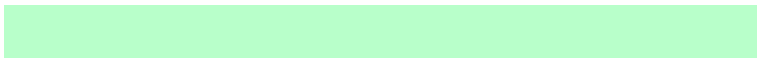
21.4041, 0.3127, 0.3290

Same Dimension

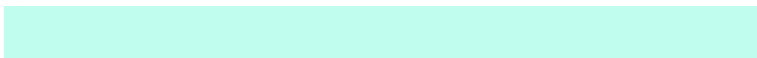
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1457, 0.3013, 0.3789



85.9016, 0.2993, 0.3894



87.7635, 0.2853, 0.3451



20.2429, 0.3081, 0.3473



37.5837, 0.2919, 0.5709



3.6760, 0.2860, 0.5497

Inverse Universe

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



65.1838, 0.3266, 0.2838



61.4953, 0.3296, 0.2754



63.5664, 0.3500, 0.3136



18.2180, 0.3177, 0.3114



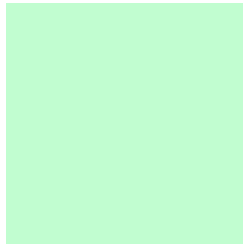
13.1013, 0.3967, 0.1959



1.2931, 0.3862, 0.1901

Previews

White Background



This preview shows how the Yxy color 86.1421, 0.3013, 0.3789 looks on a white background.

Color Contrast Check

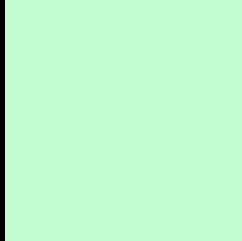
Large Text (above 18pt) WCAG AA × Fail

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 86.1421, 0.3013, 0.3789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

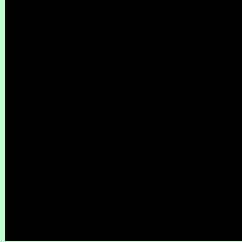
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

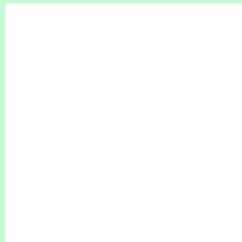
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.1421, 0.3013, 0.3789

Background



This preview shows how black text looks on a background with the Yxy color 86.1421, 0.3013, 0.3789.

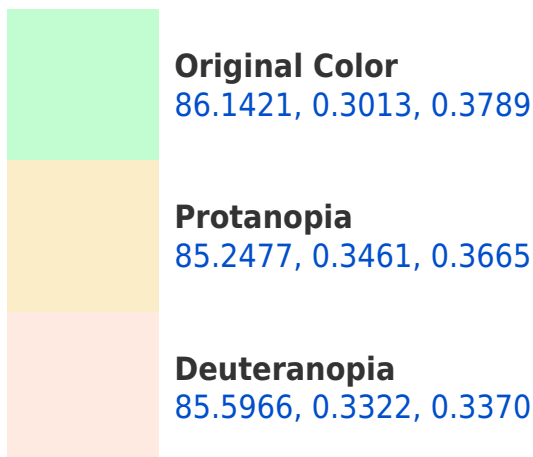


This preview shows how white text looks on a background with the Yxy color 86.1421, 0.3013, 0.3789.

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





Tritanopia

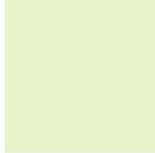
86.0729, 0.2895, 0.3166

Trichromacy



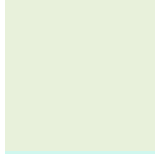
Original Color

86.1421, 0.3013, 0.3789



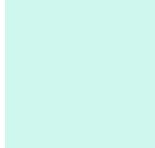
Protanomaly

85.2360, 0.3286, 0.3711



Deuteranomaly

85.1809, 0.3202, 0.3519



Tritanomaly

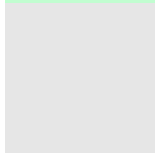
86.1045, 0.2937, 0.3385

Monochromacy



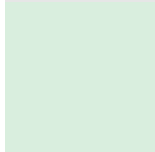
Original Color

86.1421, 0.3013, 0.3789



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.1747, 0.3086, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1421, 0.3013, 0.3789 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, 253, 208)` looks like.

```
.text, #text, p{  
    color:rgb(193, 253, 208)  
}
```

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, 253, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 253, 208) }
```

Border

The CSS property to change the border of an element to Yxy 86.1421, 0.3013, 0.3789 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, 253, 208) }
```

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

```
.border{ border-color:rgb(193, 253, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 253, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 253, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 253, 208);  
box-shadow:4px 4px 4px 4px rgb(193, 253,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1421, 0.3013, 0.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 253, 208) }
```

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

```
.background{ background-color: rgb(193,  
253, 208) }
```

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