

Converting Colors

$Y_{xy}(105.1132, 0.2943, 0.3992)$

Have a look what the booklet for
Yxy(105.1132, 0.2943, 0.3992)
contains.

Yxy(86.8654, 0.2935, 0.3735)	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(86.8654, 0.2935, 0.3735)

Conversions

Conversions Part 1

Format	Color
Hex	BAFFD7
RGB	186, 255, 215
RGB Percent	73%, 100%, 84%
CMY	0.2709, 0.0000, 0.1569
CMYK	0.27, 0.00, 0.16, 0.00
HSL	145°, 100%, 86%
HSV	145°, 27%, 100%
XYZ	68.2597, 86.8654, 77.4463
YIQ	229.8090, -28.2840, -27.0680

Conversions

Conversions Part 2

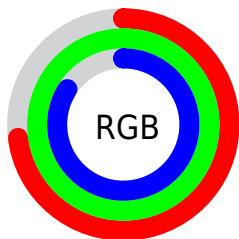
Format	Color
RYB	186, 235, 255
Decimal	12255191
CIELab	94.68, -29.31, 12.30
CIElCh	95, 31.790, 157.237
Yxy	86.8654, 0.2935, 0.3735
Android (android.graphics.Color)	4290445271 (0xFFBAFFD7)
YUV	229.8090, -7.3008, -38.4205
Hunter-Lab	93.2016, -32.3717, 15.9739

Details

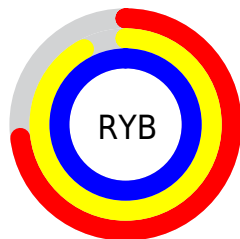
The Yxy color **86.8654, 0.2935, 0.3735** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.8342, 0.3382, 0.2885**, and the grayscale version is **79.0331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **47.7515, 0.2890, 0.3844** is the 20% darker color. If you saturate the color by 10%, you get **83.2175, 0.2872, 0.3932**, and if you desaturate by 10%, it is **91.1313, 0.3004, 0.3555**.

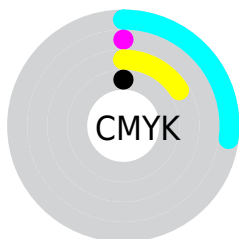
Distribution



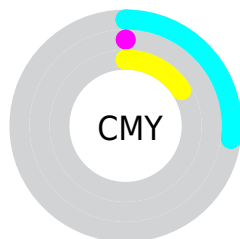
- Red (73%)
- Green (100%)
- Blue (84%)



- Red (73%)
- Yellow (92%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8654, 0.2935, 0.3735 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 86.8654, 0.2935, 0.3735 by changing the saturation by 10% instead.

 86.8654, 0.2935,
0.3735

 86.8654, 0.2935,
0.3735

517.7805, 0.3024,
0.3529

 65.3838, 0.2914,
0.3782


 142.9765, 0.2966,
0.3663

 47.7724, 0.2889,
0.3841


178.3748, 0.2978,
0.3636

 33.6467, 0.2857,
0.3915


219.1809, 0.2989,
0.3612

 22.6223, 0.2815,
0.4011

265.7790, 0.2998,
0.3591

 14.3149, 0.2757,
0.4143

318.5536, 0.3006,
0.3572

 8.3400, 0.2673,
0.4333

377.8892, 0.3013,

 4.3133, 0.2542,

0.3556

0.4630

444.1700, 0.3019,
0.3542

■ 1.8503, 0.2310,
0.5155

■ 0.5182, 0.0000,
1.0000

■ 86.8654, 0.2935,
0.3735

■ 86.8654, 0.2935,
0.3735

■ 83.2175, 0.2872,
0.3932

■ 91.1313, 0.3004,
0.3555

■ 80.1860, 0.2819,
0.4145

■ 96.0755, 0.3075,
0.3394

■ 77.7258, 0.2779,
0.4369

■ 100.0000, 0.3127,
0.3290

■ 75.7980, 0.2754,
0.4598

■ 74.3590, 0.2748,
0.4826

■ 73.3574, 0.2762,
0.5044

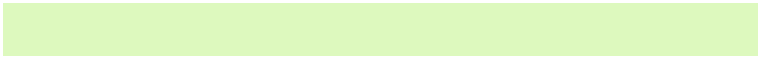
■ 72.7283, 0.2794,
0.5244

■ 72.5873, 0.2805,
0.5299

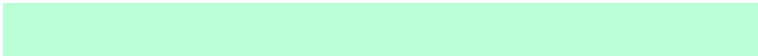
Harmonies

Analogous

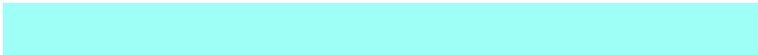
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8654, 0.3294, 0.3921



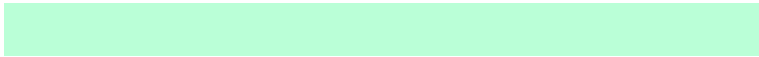
86.8654, 0.2935, 0.3735



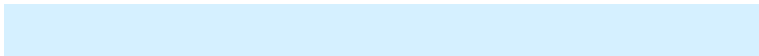
86.8654, 0.2640, 0.3409

Triad

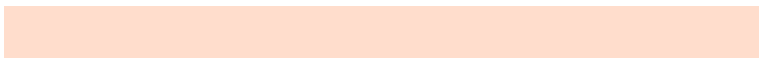
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8654, 0.2935, 0.3735



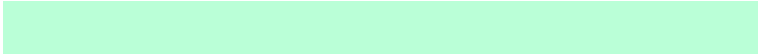
86.8654, 0.2636, 0.2705



86.8654, 0.3825, 0.3446

Complementary

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



86.8654, 0.2935, 0.3735



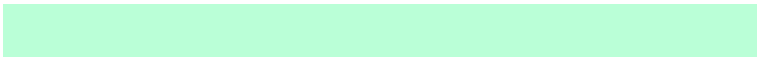
61.8342, 0.3382, 0.2885

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.



86.8654, 0.3629, 0.3151



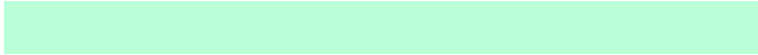
86.8654, 0.2935, 0.3735



86.8654, 0.2930, 0.2738

Square

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



86.8654, 0.2935, 0.3735



86.8654, 0.2475, 0.2817



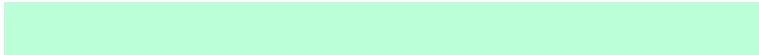
86.8654, 0.3295, 0.2899



86.8654, 0.3819, 0.3723

Rectangle

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



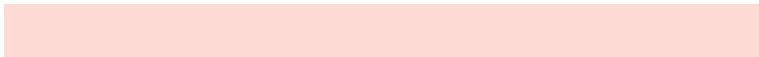
86.8654, 0.2935, 0.3735



86.8654, 0.2513, 0.3176



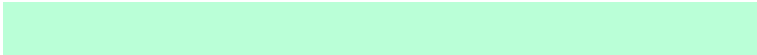
86.8654, 0.3295, 0.2899



86.8654, 0.3781, 0.3347

Sweetspot

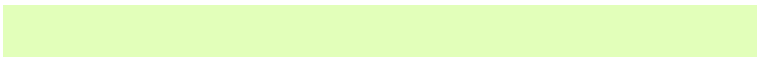
The Sweet Spot groups the original color and five complimentary colors.



86.8552, 0.2935, 0.3735



95.5962, 0.3069, 0.3408



91.2662, 0.3345, 0.4015



20.2950, 0.3058, 0.3431



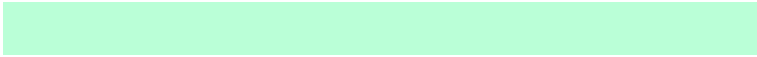
0.0000, 0.0000, 0.0000



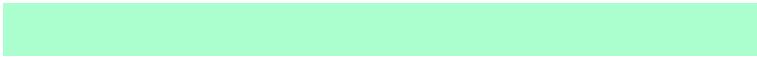
21.4041, 0.3127, 0.3290

Same Dimension

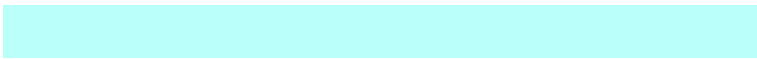
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8552, 0.2935, 0.3735



84.6295, 0.2897, 0.3849



88.8045, 0.2759, 0.3351



20.2950, 0.3058, 0.3431



37.9567, 0.2797, 0.5268



3.7169, 0.2734, 0.5044

Inverse Universe

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



61.8342, 0.3382, 0.2885



55.4753, 0.3456, 0.2793



60.1381, 0.3668, 0.3232



18.1636, 0.3203, 0.3153



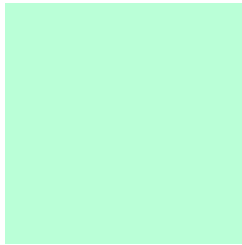
12.2520, 0.4630, 0.2324



1.2148, 0.4423, 0.2210

Previews

White Background



This preview shows how the Yxy color 86.8654, 0.2935, 0.3735 looks on a white background.

Color Contrast Check

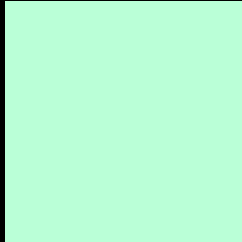
Large Text (above 18pt) WCAG AA × Fail

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 86.8654, 0.2935, 0.3735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

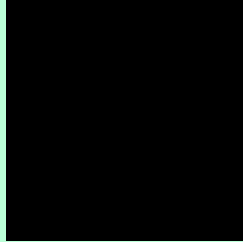
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

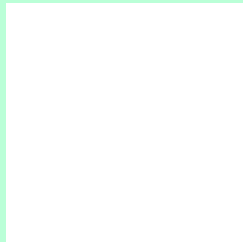
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8654, 0.2935, 0.3735

Background



This preview shows how black text looks on a background with the Yxy color 86.8654, 0.2935, 0.3735.

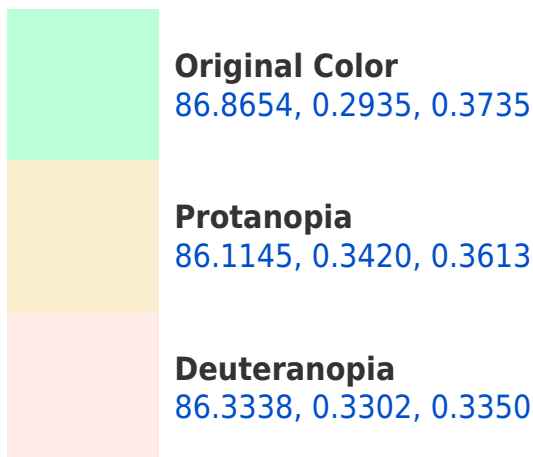


This preview shows how white text looks on a background with the Yxy color 86.8654, 0.2935, 0.3735.

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

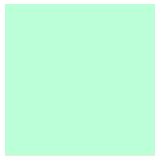




Tritanopia

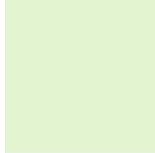
86.6731, 0.2896, 0.3176

Trichromacy



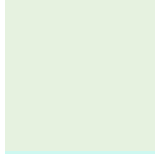
Original Color

86.8654, 0.2935, 0.3735



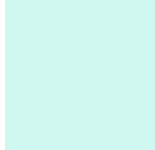
Protanomaly

85.6357, 0.3228, 0.3659



Deuteranomaly

85.7091, 0.3158, 0.3477



Tritanomaly

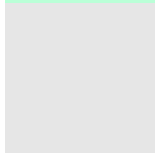
86.5479, 0.2914, 0.3374

Monochromacy



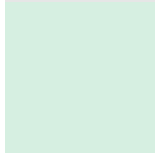
Original Color

86.8654, 0.2935, 0.3735



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4654, 0.3048, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8654, 0.2935, 0.3735 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(186, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 215)  
}
```

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(186, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 215) }
```

Border

The CSS property to change the border of an element to Yxy 86.8654, 0.2935, 0.3735 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(186, 255, 215) }
```

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

```
.border{ border-color:rgb(186, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8654, 0.2935, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 215) }
```

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

```
.background{ background-color: rgb(186,  
255, 215) }
```

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