

Converting Colors

$Yxy(86.5979, 0.2901, 0.3703)$

Have a look what the booklet for
Yxy(86.5979, 0.2901, 0.3703)
contains.

Yxy(86.6492, 0.2903, 0.3702)	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(86.6492, 0.2903, 0.3702)

Conversions

Conversions Part 1

Format	Color
Hex	B7FFDA
RGB	183, 255, 218
RGB Percent	72%, 100%, 85%
CMY	0.2822, 0.0000, 0.1451
CMYK	0.28, 0.00, 0.15, 0.00
HSL	149°, 100%, 86%
HSV	149°, 28%, 100%
XYZ	67.9478, 86.6492, 79.4635
YIQ	229.2540, -31.0350, -26.7710

Conversions

Conversions Part 2

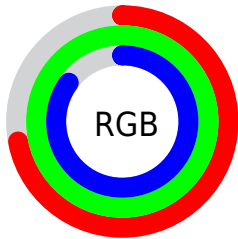
Format	Color
RYB	183, 231, 255
Decimal	12058586
CIELab	94.59, -29.60, 10.60
CIELCh	95, 31.443, 160.290
Yxy	86.6492, 0.2903, 0.3702
Android (android.graphics.Color)	4290248666 (0xFFB7FFDA)
YUV	229.2540, -5.5482, -40.5648
Hunter-Lab	93.0856, -32.6037, 14.5463

Details

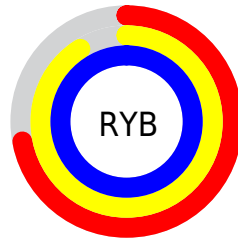
The Yxy color **86.6492, 0.2903, 0.3702** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.3116, 0.3434, 0.2913**, and the grayscale version is **78.6165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **47.6217, 0.2850, 0.3801** is the 20% darker color. If you saturate the color by 10%, you get **83.1436, 0.2834, 0.3877**, and if you desaturate by 10%, it is **90.7828, 0.2979, 0.3542**.

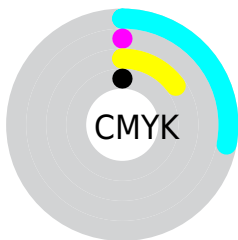
Distribution



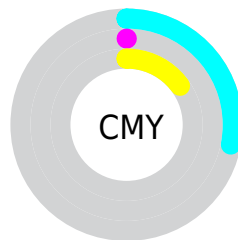
- Red (72%)
- Green (100%)
- Blue (85%)



- Red (72%)
- Yellow (91%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6492, 0.2903, 0.3702 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 86.6492, 0.2903, 0.3702 by changing the saturation by 10% instead.

 86.6492, 0.2903,
0.3702

 86.6492, 0.2903,
0.3702


517.0694, 0.3006,
0.3511

 65.2049, 0.2880,
0.3746


 142.6751, 0.2939,
0.3636

 47.6273, 0.2851,
0.3799


178.0255, 0.2953,
0.3610

 33.5318, 0.2814,
0.3867


218.7801, 0.2965,
0.3588

 22.5342, 0.2766,
0.3957

265.3232, 0.2975,
0.3569

 14.2499, 0.2702,
0.4078

318.0394, 0.2984,
0.3552

 8.2947, 0.2609,
0.4252

377.3128, 0.2993,

 4.2841, 0.2466,

0.3537

0.4525

443.5281, 0.3000,
0.3523

1.8337, 0.2217,
0.5004

0.5081, 0.0000,
1.0000

86.6492, 0.2903,
0.3702

86.6492, 0.2903,
0.3702

83.1436, 0.2834,
0.3877

90.7828, 0.2979,
0.3542

80.2233, 0.2776,
0.4066


95.5632, 0.3060,
0.3397


77.8571, 0.2731,
0.4264


99.9998, 0.3127,
0.3290

76.0066, 0.2704,
0.4468

 74.6278, 0.2696,
0.4673

 73.6692, 0.2709,
0.4871

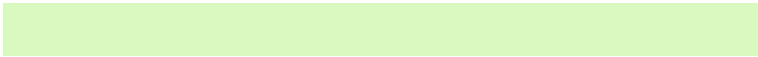
 73.0601, 0.2741,
0.5057

 72.9712, 0.2747,
0.5089

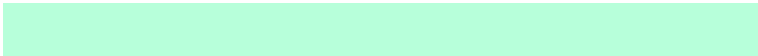
Harmonies

Analogous

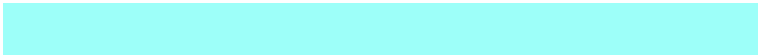
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6492, 0.3256, 0.3904



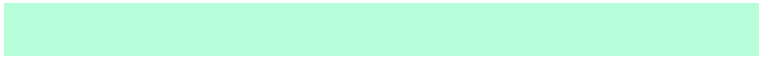
86.6492, 0.2903, 0.3702



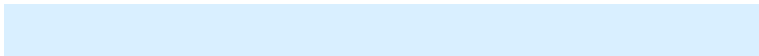
86.6492, 0.2621, 0.3373

Triad

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



86.6492, 0.2903, 0.3702



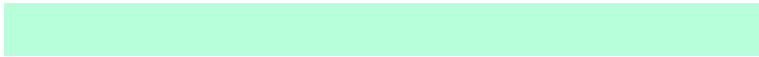
86.6492, 0.2665, 0.2707



86.6492, 0.3827, 0.3475

Complementary

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



86.6492, 0.2903, 0.3702



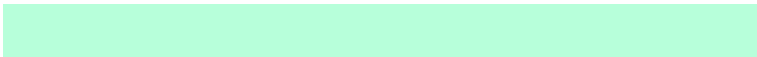
60.3116, 0.3434, 0.2913

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.



86.6492, 0.3652, 0.3181



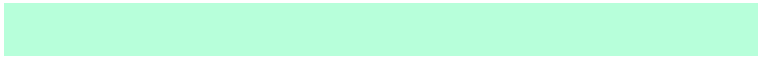
86.6492, 0.2903, 0.3702



86.6492, 0.2967, 0.2754

Square

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



86.6492, 0.2903, 0.3702



86.6492, 0.2491, 0.2803



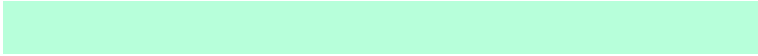
86.6492, 0.3330, 0.2924



86.6492, 0.3800, 0.3743

Rectangle

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



86.6492, 0.2903, 0.3702



86.6492, 0.2506, 0.3144



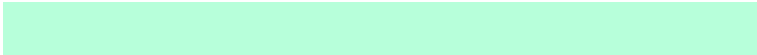
86.6492, 0.3330, 0.2924



86.6492, 0.3790, 0.3377

Sweetspot

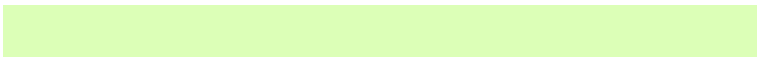
The Sweet Spot groups the original color and five complimentary colors.



86.6528, 0.2903, 0.3702



95.6767, 0.3061, 0.3394



90.1897, 0.3322, 0.4055



20.3152, 0.3049, 0.3415



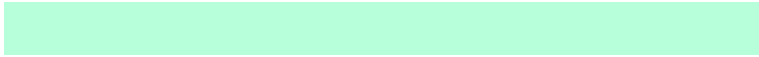
0.0000, 0.0000, 0.0000



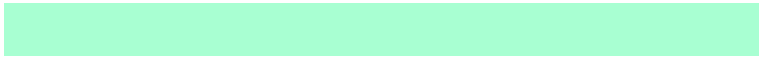
21.4041, 0.3127, 0.3290

Same Dimension

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



86.6528, 0.2903, 0.3702



84.5514, 0.2862, 0.3802



88.7344, 0.2722, 0.3302



20.3152, 0.3049, 0.3415



38.1591, 0.2739, 0.5059



3.7374, 0.2680, 0.4848

Inverse Universe

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



60.3116, 0.3434, 0.2913



54.1747, 0.3519, 0.2833



58.6123, 0.3741, 0.3279



18.1431, 0.3213, 0.3168



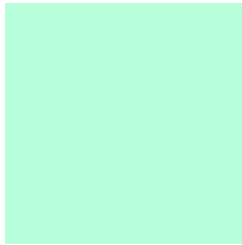
11.9975, 0.4904, 0.2475



1.1902, 0.4657, 0.2339

Previews

White Background



This preview shows how the Yxy color 86.6492, 0.2903, 0.3702 looks on a white background.

Color Contrast Check

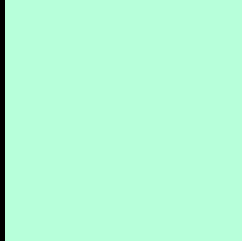
Large Text (above 18pt) WCAG AA × Fail

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 86.6492, 0.2903, 0.3702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

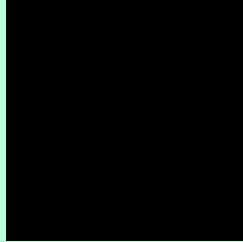
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

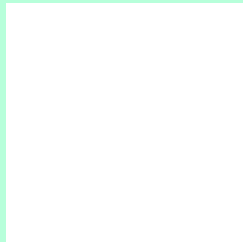
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6492, 0.2903, 0.3702

Background



This preview shows how black text looks on a background with the Yxy color 86.6492, 0.2903, 0.3702.



This preview shows how white text looks on a background with the Yxy color 86.6492, 0.2903, 0.3702.

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

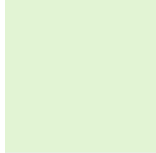
86.3684, 0.2884, 0.3176

Trichromacy



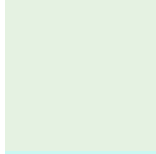
Original Color

86.6492, 0.2903, 0.3702



Protanomaly

85.6236, 0.3203, 0.3627



Deuteranomaly

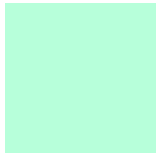
85.6533, 0.3139, 0.3456



Tritanomaly

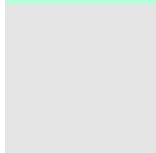
86.2421, 0.2886, 0.3353

Monochromacy



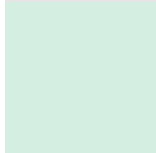
Original Color

86.6492, 0.2903, 0.3702



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.5824, 0.3036, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6492, 0.2903, 0.3702 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(183, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 218)  
}
```

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(183, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 86.6492, 0.2903, 0.3702 is called "border". The border property can be set on classes, ids or directly on the HTML element.

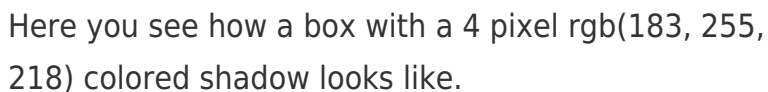
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 255, 218) }
```

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

```
.border{ border-color:rgb(183, 255, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 255, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 255, 218); box-shadow:4px 4px 4px 4px rgb(183, 255, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6492, 0.2903, 0.3702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 218) }
```

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

```
.background{ background-color: rgb(183,  
255, 218) }
```

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