

Converting Colors

$Yxy(89.5635, 0.3010, 0.3659)$

Have a look what the booklet for
Yxy(89.5635, 0.3010, 0.3659)
contains.

Yxy(89.5778, 0.3007, 0.3655)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.5778, 0.3007, 0.3655)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFDD
RGB	204, 255, 221
RGB Percent	80%, 100%, 87%
CMY	0.2003, 0.0000, 0.1333
CMYK	0.20, 0.00, 0.13, 0.00
HSL	140°, 100%, 90%
HSV	140°, 20%, 100%
XYZ	73.6964, 89.5778, 81.8087
YIQ	235.8750, -19.4820, -21.3860

Conversions

Conversions Part 2

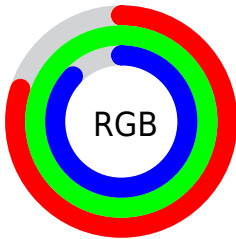
Format	Color
R_YB	204, 242, 255
Decimal	13434845
CIE _{Lab}	95.82, -22.64, 10.97
CIE _{LCh}	96, 25.163, 154.141
Yxy	89.5778, 0.3007, 0.3655
Android (android.graphics.Color)	4291624925 (0xFFCCFFDD)
YUV	235.8750, -7.3334, -27.9544
Hunter-Lab	94.6455, -26.6394, 15.0035

Details

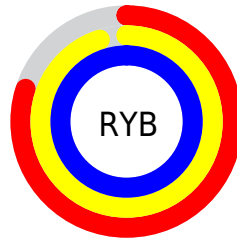
The Yxy color **89.5778, 0.3007, 0.3655** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.5781, 0.3271, 0.2951**, and the grayscale version is **83.8289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.5309, 0.2978, 0.3737** is the 20% darker color. If you saturate the color by 10%, you get **85.3957, 0.2950, 0.3869**, and if you desaturate by 10%, it is **94.4192, 0.3067, 0.3462**.

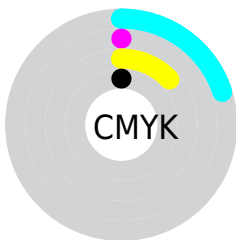
Distribution



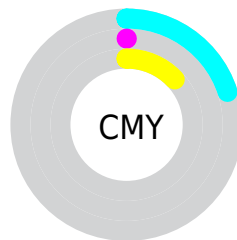
- Red (80%)
- Green (100%)
- Blue (87%)



- Red (80%)
- Yellow (95%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5778, 0.3007, 0.3655 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 89.5778, 0.3007, 0.3655 by changing the saturation by 10% instead.

 89.5778, 0.3007,
0.3655

 89.5778, 0.3007,
0.3655


526.6565, 0.3063,
0.3488

 67.6305, 0.2994,
0.3693

146.7518, 0.3026,
0.3597

 49.5972, 0.2978,
0.3739


182.7473, 0.3034,
0.3575

 35.0935, 0.2958,
0.3798


224.1944, 0.3040,
0.3555

 23.7349, 0.2932,
0.3874

271.4774, 0.3046,
0.3538

 15.1371, 0.2896,
0.3978

324.9807, 0.3051,
0.3523

 8.9156, 0.2845,
0.4124

385.0887, 0.3055,

 4.6862, 0.2764,

0.3510

0.4350

452.1858, 0.3059,
0.3498

■ 2.0643, 0.2621,
0.4738

■ 0.6445, 0.0849,
0.9151

■ 89.5778, 0.3007,
0.3655

■ 89.5778, 0.3007,
0.3655

■ 85.3957, 0.2950,
0.3869

■ 94.4192, 0.3067,
0.3462

■ 81.8746, 0.2900,
0.4104


99.9822, 0.3127,
0.3290

■ 78.9694, 0.2858,
0.4354


100.0000, 0.3127,
0.3290

■ 76.6432, 0.2828,
0.4614

 74.8547, 0.2814,
0.4874

 73.5571, 0.2818,
0.5123

 72.6946, 0.2839,
0.5350

 72.1796, 0.2873,
0.5544

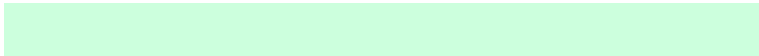
Harmonies

Analogous

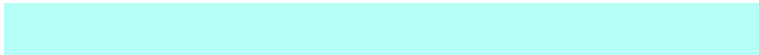
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5778, 0.3290, 0.3785



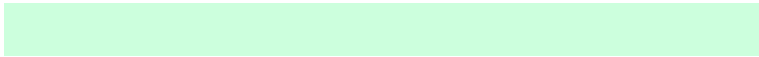
89.5778, 0.3007, 0.3655



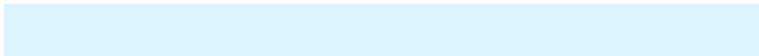
89.5778, 0.2764, 0.3414

Triad

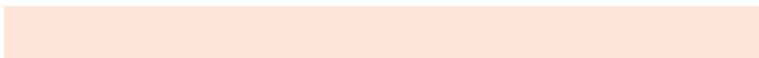
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5778, 0.3007, 0.3655



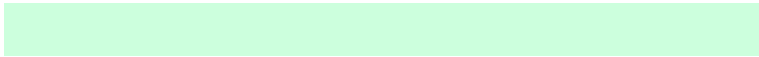
89.5778, 0.2721, 0.2830



89.5778, 0.3663, 0.3395

Complementary

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



89.5778, 0.3007, 0.3655



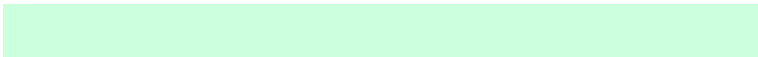
70.5781, 0.3271, 0.2951

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.



89.5778, 0.3497, 0.3159



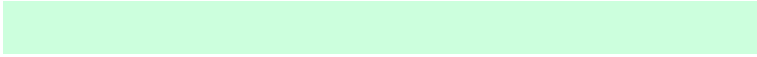
89.5778, 0.3007, 0.3655



89.5778, 0.2947, 0.2843

Square

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



89.5778, 0.3007, 0.3655



89.5778, 0.2604, 0.2936



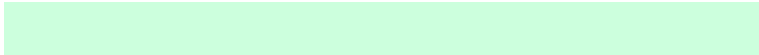
89.5778, 0.3231, 0.2962



89.5778, 0.3677, 0.3616

Rectangle

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



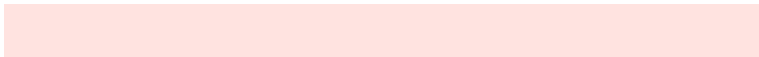
89.5778, 0.3007, 0.3655



89.5778, 0.2654, 0.3232



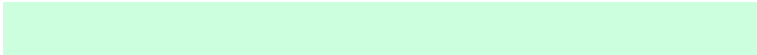
89.5778, 0.3231, 0.2962



89.5778, 0.3623, 0.3315

Sweetspot

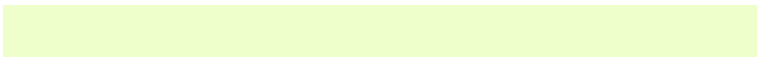
The Sweet Spot groups the original color and five complimentary colors.



89.5668, 0.3007, 0.3655



96.5740, 0.3091, 0.3390



94.0487, 0.3318, 0.3810



20.5944, 0.3087, 0.3402



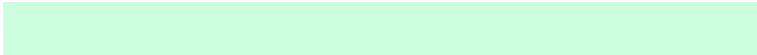
0.0000, 0.0000, 0.0000



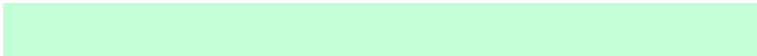
21.4041, 0.3127, 0.3290

Same Dimension

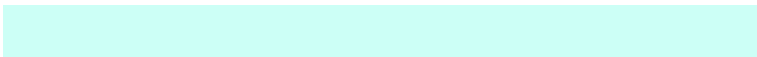
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5668, 0.3007, 0.3655



87.8311, 0.2984, 0.3737



91.0303, 0.2871, 0.3378



20.2683, 0.3070, 0.3452



37.7401, 0.2865, 0.5514



3.6940, 0.2802, 0.5288

Inverse Universe

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



70.5781, 0.3271, 0.2951



65.7264, 0.3306, 0.2881



69.1848, 0.3462, 0.3204



18.1911, 0.3190, 0.3133



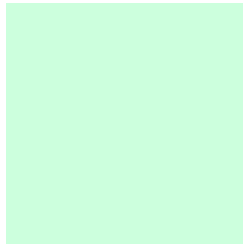
12.6495, 0.4280, 0.2132



1.2520, 0.4126, 0.2047

Previews

White Background



This preview shows how the Yxy color 89.5778, 0.3007, 0.3655 looks on a white background.

Color Contrast Check

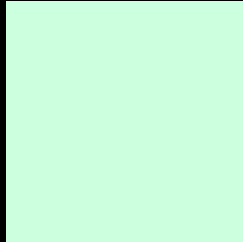
Large Text (above 18pt) WCAG AA × Fail

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 89.5778, 0.3007, 0.3655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

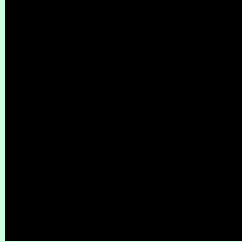
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

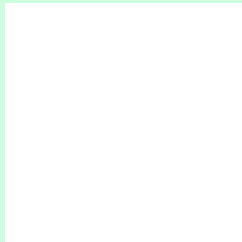
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5778, 0.3007, 0.3655

Background



This preview shows how black text looks on a background with the Yxy color 89.5778, 0.3007, 0.3655.

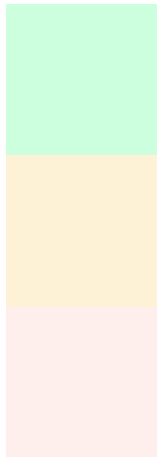


This preview shows how white text looks on a background with the Yxy color 89.5778, 0.3007, 0.3655.

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

89.5778, 0.3007, 0.3655

Protanopia

89.2419, 0.3375, 0.3569

Deuteranopia

89.0491, 0.3253, 0.3320



Tritanopia

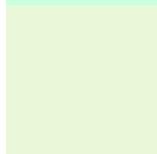
89.1828, 0.2969, 0.3189

Trichromacy



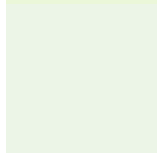
Original Color

89.5778, 0.3007, 0.3655



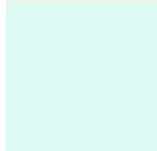
Protanomaly

89.1935, 0.3229, 0.3598



Deuteranomaly

88.9072, 0.3153, 0.3432



Tritanomaly

89.4381, 0.2982, 0.3351

Monochromacy



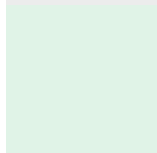
Original Color

89.5778, 0.3007, 0.3655



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7180, 0.3076, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5778, 0.3007, 0.3655 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(204, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 221)  
}
```

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(204, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 221) }
```

Border

The CSS property to change the border of an element to Yxy 89.5778, 0.3007, 0.3655 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(204, 255, 221) }
```

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

```
.border{ border-color:rgb(204, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5778, 0.3007, 0.3655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 221) }
```

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

```
.background{ background-color: rgb(204,  
255, 221) }
```

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