

Converting Colors

$Yxy(88.8226, 0.3089, 0.3820)$

Have a look what the booklet for
Yxy(88.8226, 0.3089, 0.3820)
contains.

Yxy(88.8136, 0.3090, 0.3822)	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(88.8136, 0.3090, 0.3822)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFCE
RGB	204, 255, 206
RGB Percent	80%, 100%, 81%
CMY	0.2000, 0.0000, 0.1921
CMYK	0.20, 0.00, 0.19, 0.00
HSL	122°, 100%, 90%
HSV	122°, 20%, 100%
XYZ	71.8038, 88.8136, 71.7573
YIQ	234.1650, -14.6670, -26.0510

Conversions

Conversions Part 2

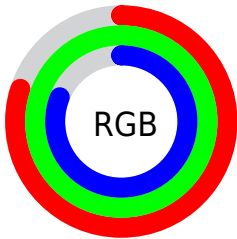
Format	Color
R_{YB}	204, 253, 255
Decimal	13434830
CIE _{Lab}	95.50, -25.24, 18.20
CIE _{LCh}	96, 31.113, 144.202
Yxy	88.8136, 0.3090, 0.3822
Android (android.graphics.Color)	4291624910 (0xFFCCFFCE)
YUV	234.1650, -13.8853, -26.4547
Hunter-Lab	94.2410, -28.9195, 20.8239

Details

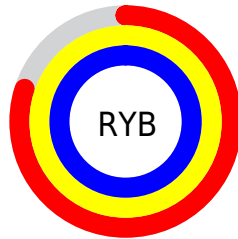
The Yxy color **88.8136, 0.3090, 0.3822** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.5385, 0.3164, 0.2810**, and the grayscale version is **82.5274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.0447, 0.3074, 0.3941** is the 20% darker color. If you saturate the color by 10%, you get **84.4021, 0.3070, 0.4137**, and if you desaturate by 10%, it is **94.0027, 0.3109, 0.3539**.

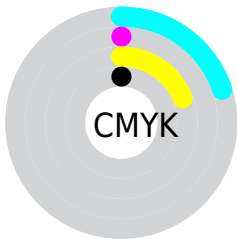
Distribution



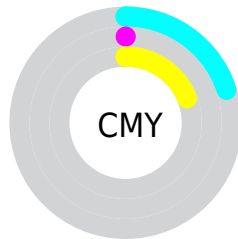
- Red (80%)
- Green (100%)
- Blue (81%)



- Red (80%)
- Yellow (99%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.8136, 0.3090, 0.3822 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 88.8136, 0.3090, 0.3822 by changing the saturation by 10% instead.


 88.8136, 0.3090,
0.3822

 88.8136, 0.3090,
0.3822

524.1639, 0.3111,
0.3576

 66.9971, 0.3084,
0.3878


145.6893, 0.3098,
0.3737

 49.0822, 0.3077,
0.3947


181.5173, 0.3101,
0.3703

 34.6847, 0.3067,
0.4035


222.7846, 0.3103,
0.3675

 23.4201, 0.3052,
0.4150

269.8755, 0.3105,
0.3650

 14.9040, 0.3031,
0.4305

323.1746, 0.3107,
0.3628

 8.7521, 0.2996,
0.4527

383.0660, 0.3109,

 4.5798, 0.2933,

0.3609

0.4869

449.9344, 0.3110,
0.3591

■ 2.0029, 0.2833,
0.5523

■ 0.6092, 0.0000,
1.0000

■ 88.8136, 0.3090,
0.3822

■ 88.8136, 0.3090,
0.3822

■ 84.4021, 0.3070,
0.4137

■ 94.0027, 0.3109,
0.3539

■ 80.7277, 0.3050,
0.4477

100.0000, 0.3127,
0.3290

■ 77.7511, 0.3030,
0.4829

■ 75.4283, 0.3014,
0.5173

■ 73.7100, 0.3002,
0.5482

■ 72.5401, 0.2995,
0.5730

■ 71.8518, 0.2994,
0.5898

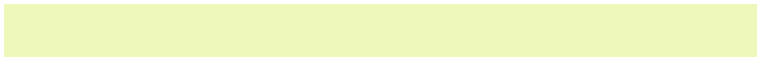
■ 71.5420, 0.2995,
0.5983

■ 71.5420, 0.2995,
0.5983

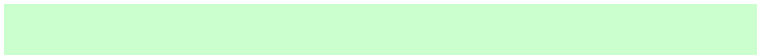
Harmonies

Analogous

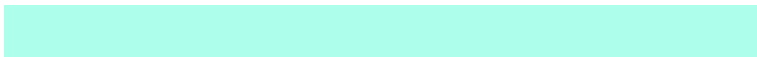
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8136, 0.3437, 0.3920



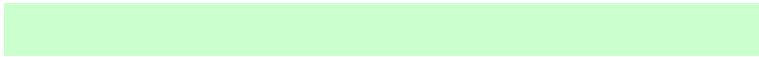
88.8136, 0.3090, 0.3822



88.8136, 0.2765, 0.3553

Triad

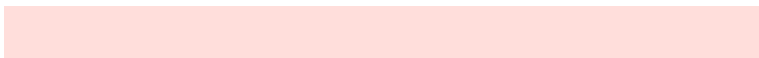
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8136, 0.3090, 0.3822



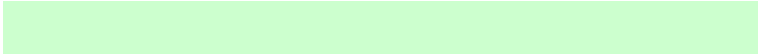
88.8136, 0.2563, 0.2750



88.8136, 0.3744, 0.3317

Complementary

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



88.8136, 0.3090, 0.3822



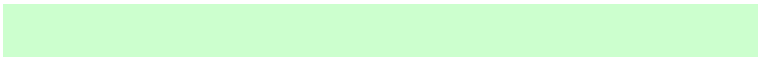
71.5385, 0.3164, 0.2810

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.



88.8136, 0.3485, 0.3040



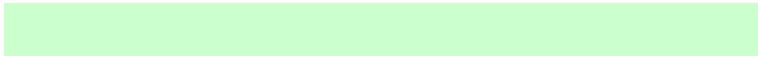
88.8136, 0.3090, 0.3822



88.8136, 0.2799, 0.2722

Square

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



88.8136, 0.3090, 0.3822



88.8136, 0.2473, 0.2922



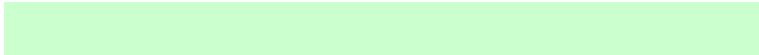
88.8136, 0.3134, 0.2828



88.8136, 0.3827, 0.3602

Rectangle

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



88.8136, 0.3090, 0.3822



88.8136, 0.2603, 0.3326



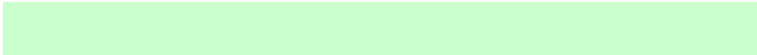
88.8136, 0.3134, 0.2828



88.8136, 0.3674, 0.3221

Sweetspot

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



88.8147, 0.3090, 0.3822



96.3021, 0.3117, 0.3435



96.8188, 0.3418, 0.3792



20.5303, 0.3115, 0.3452



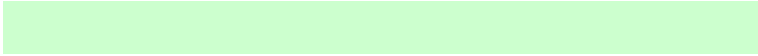
0.0000, 0.0000, 0.0000



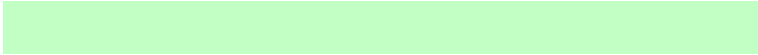
21.4041, 0.3127, 0.3290

Same Dimension

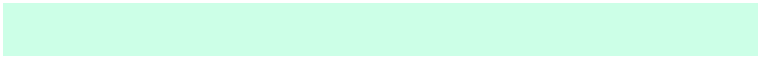
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8147, 0.3090, 0.3822



86.9580, 0.3082, 0.3944



90.1387, 0.2952, 0.3543



20.1798, 0.3110, 0.3526



37.3873, 0.2993, 0.5976



3.6442, 0.2978, 0.5920

Inverse Universe

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



71.5385, 0.3164, 0.2810



66.8203, 0.3173, 0.2713



70.0377, 0.3346, 0.3051



18.2873, 0.3144, 0.3065



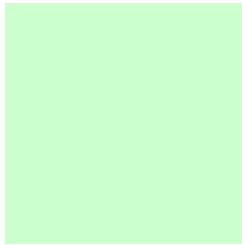
14.5576, 0.3310, 0.1597



1.4211, 0.3298, 0.1590

Previews

White Background



This preview shows how the Yxy color 88.8136, 0.3090, 0.3822 looks on a white background.

Color Contrast Check

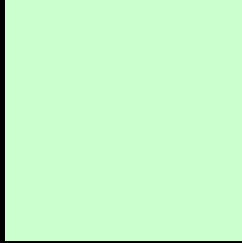
Large Text (above 18pt) WCAG AA × Fail

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 88.8136, 0.3090, 0.3822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

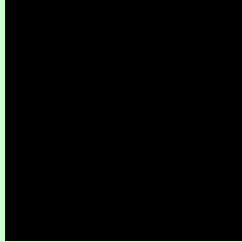
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

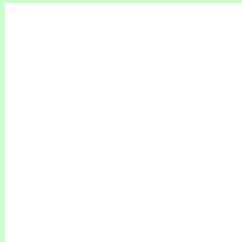
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.8136, 0.3090, 0.3822

Background



This preview shows how black text looks on a background with the Yxy color 88.8136, 0.3090, 0.3822.

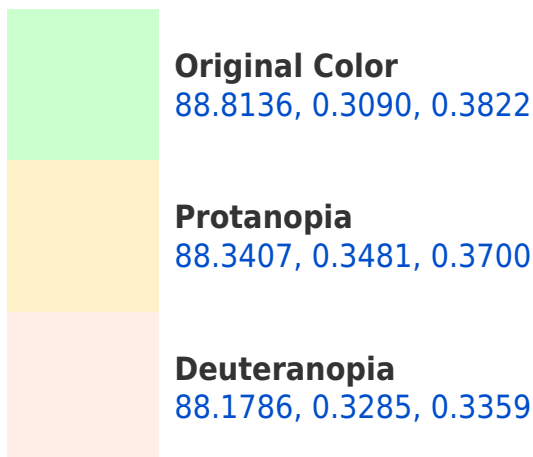


This preview shows how white text looks on a background with the Yxy color 88.8136, 0.3090, 0.3822.

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

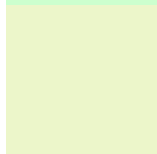
88.4153, 0.2962, 0.3179

Trichromacy



Original Color

88.8136, 0.3090, 0.3822



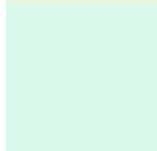
Protanomaly

88.0087, 0.3329, 0.3746



Deuteranomaly

87.8082, 0.3208, 0.3516



Tritanomaly

88.3093, 0.3009, 0.3404

Monochromacy



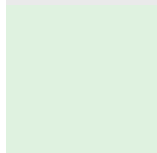
Original Color

88.8136, 0.3090, 0.3822



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.5741, 0.3112, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.8136, 0.3090, 0.3822 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 88.8136, 0.3090, 0.3822 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, 206) }
```

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

```
.border{ border-color:rgb(204, 255, 206) }
```

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, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 88.8136, 0.3090, 0.3822 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, 206) }
```

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

```
.background{ background-color: rgb(204,  
255, 206) }
```

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