

Converting Colors

$Yxy(87.8306, 0.3115, 0.3928)$

Have a look what the booklet for
Yxy(87.8306, 0.3115, 0.3928)
contains.

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Color

Yxy(87.8306, 0.3115, 0.3928)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFC5
RGB	200, 255, 197
RGB Percent	78%, 100%, 77%
CMY	0.2158, 0.0000, 0.2274
CMYK	0.22, 0.00, 0.23, 0.00
HSL	117°, 100%, 89%
HSV	117°, 23%, 100%
XYZ	69.6518, 87.8306, 66.1189
YIQ	231.9430, -14.1620, -29.6980

Conversions

Conversions Part 2

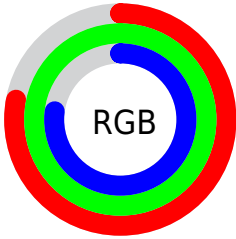
Format	Color
RYB	197, 255, 252
Decimal	13172677
CIELab	95.09, -28.05, 22.17
CIELCh	95, 35.755, 141.678
Yxy	87.8306, 0.3115, 0.3928
Android (android.graphics.Color)	4291362757 (0xFFC8FFC5)
YUV	231.9430, -17.2269, -28.0140
Hunter-Lab	93.7180, -31.3441, 23.7729

Details

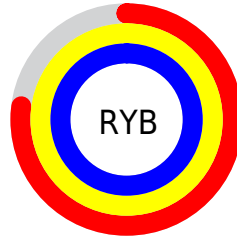
The Yxy color **87.8306, 0.3115, 0.3928** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.8710, 0.3132, 0.2719**, and the grayscale version is **80.7829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **48.3911, 0.3105, 0.4080** is the 20% darker color. If you saturate the color by 10%, you get **83.6818, 0.3106, 0.4260**, and if you desaturate by 10%, it is **92.6966, 0.3122, 0.3626**.

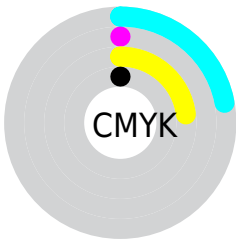
Distribution



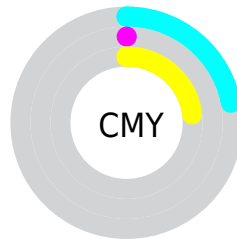
- Red (78%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (99%)



- Cyan (22%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8306, 0.3115, 0.3928 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 87.8306, 0.3115, 0.3928 by changing the saturation by 10% instead.


 87.8306, 0.3115,
0.3928

 87.8306, 0.3115,
0.3928


520.9483, 0.3127,
0.3631

 66.1828, 0.3111,
0.3996


144.3213, 0.3120,
0.3825

 48.4208, 0.3105,
0.4080


179.9330, 0.3122,
0.3785

 34.1602, 0.3097,
0.4187

220.9680, 0.3123,
0.3750

 23.0167, 0.3084,
0.4327

267.8109, 0.3124,
0.3720

 14.6059, 0.3062,
0.4517

320.8460, 0.3125,
0.3694

 8.5432, 0.3025,
0.4790

380.4576, 0.3126,

 4.4445, 0.2952,

0.3670

0.5209

447.0303, 0.3126,
0.3649

■ 1.9252, 0.2919,
0.6213

■ 0.5634, 0.0000,
1.0000

■ 87.8306, 0.3115,
0.3928

■ 87.8306, 0.3115,
0.3928

■ 83.6818, 0.3106,
0.4260

■ 92.6966, 0.3122,
0.3626

■ 80.2278, 0.3095,
0.4614

■ 98.3245, 0.3126,
0.3357

■ 77.4269, 0.3081,
0.4971

■ 100.0000, 0.3127,
0.3290

■ 75.2379, 0.3064,
0.5308

■ 73.6151, 0.3047,
0.5598

■ 72.5062, 0.3030,
0.5816

■ 71.8491, 0.3015,
0.5947

■ 71.6050, 0.3007,
0.5994

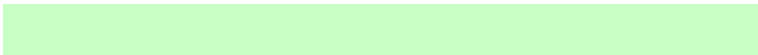
Harmonies

Analogous

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



87.8306, 0.3512, 0.4018



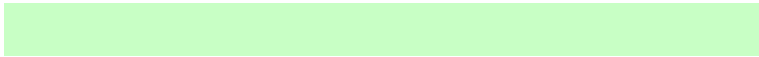
87.8306, 0.3115, 0.3928



87.8306, 0.2737, 0.3626

Triad

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



87.8306, 0.3115, 0.3928



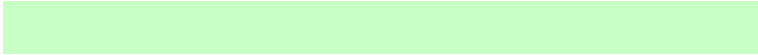
87.8306, 0.2466, 0.2681



87.8306, 0.3822, 0.3288

Complementary

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



87.8306, 0.3115, 0.3928



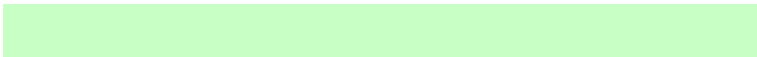
67.8710, 0.3132, 0.2719

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.



87.8306, 0.3507, 0.2979



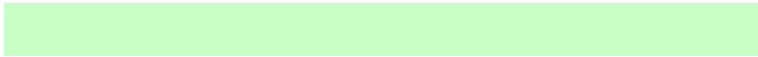
87.8306, 0.3115, 0.3928



87.8306, 0.2721, 0.2638

Square

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



87.8306, 0.3115, 0.3928



87.8306, 0.2379, 0.2886



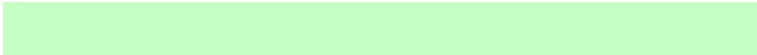
87.8306, 0.3098, 0.2747



87.8306, 0.3936, 0.3616

Rectangle

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



87.8306, 0.3115, 0.3928



87.8306, 0.2545, 0.3363



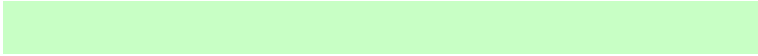
87.8306, 0.3098, 0.2747



87.8306, 0.3735, 0.3180

Sweetspot

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



87.8265, 0.3115, 0.3928



95.8298, 0.3124, 0.3468



94.3711, 0.3480, 0.3824



20.4384, 0.3124, 0.3484



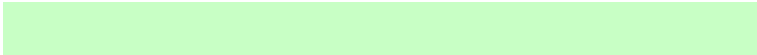
0.0000, 0.0000, 0.0000



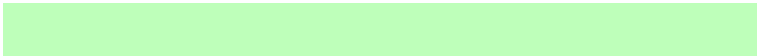
21.4041, 0.3127, 0.3290

Same Dimension

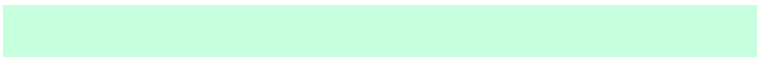
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8265, 0.3115, 0.3928



85.9722, 0.3112, 0.4066



88.6755, 0.2960, 0.3646



20.2120, 0.3123, 0.3535



37.4333, 0.3010, 0.5992



3.6595, 0.3035, 0.5972

Inverse Universe

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



67.8710, 0.3132, 0.2719



63.0054, 0.3132, 0.2610



66.9101, 0.3338, 0.2959



18.2507, 0.3130, 0.3055



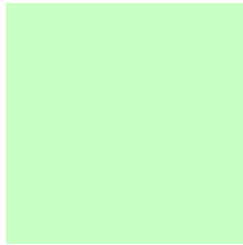
13.6642, 0.3082, 0.1472



1.3443, 0.3098, 0.1480

Previews

White Background



This preview shows how the Yxy color 87.8306, 0.3115, 0.3928 looks on a white background.

Color Contrast Check

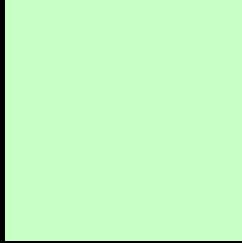
Large Text (above 18pt) WCAG AA × Fail

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 87.8306, 0.3115, 0.3928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

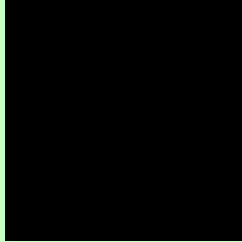
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

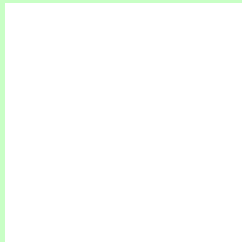
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8306, 0.3115, 0.3928

Background



This preview shows how black text looks on a background with the Yxy color 87.8306, 0.3115, 0.3928.

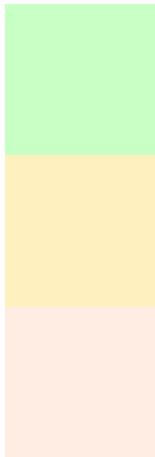


This preview shows how white text looks on a background with the Yxy color 87.8306, 0.3115, 0.3928.

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

87.8306, 0.3115, 0.3928

Protanopia

87.3859, 0.3535, 0.3771

Deuteranopia

87.3744, 0.3312, 0.3389



Tritanopia

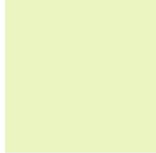
87.1685, 0.2938, 0.3168

Trichromacy



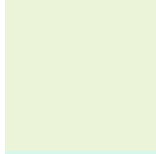
Original Color

87.8306, 0.3115, 0.3928



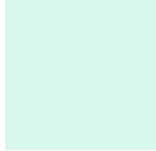
Protanomaly

86.8620, 0.3373, 0.3822



Deuteranomaly

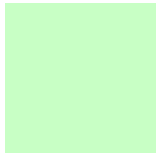
87.3214, 0.3238, 0.3579



Tritanomaly

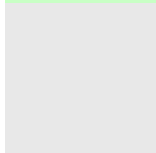
86.9091, 0.3002, 0.3426

Monochromacy



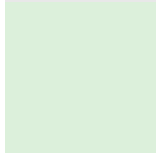
Original Color

87.8306, 0.3115, 0.3928



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.6503, 0.3123, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8306, 0.3115, 0.3928 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(200, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 197)  
}
```

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(200, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 197) }
```

Border

The CSS property to change the border of an element to Yxy 87.8306, 0.3115, 0.3928 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(200, 255, 197) }
```

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

```
.border{ border-color:rgb(200, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8306, 0.3115, 0.3928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 197) }
```

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

```
.background{ background-color: rgb(200,  
255, 197) }
```

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](#).

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