

Converting Colors

$Yxy(87.7935, 0.3098, 0.3906)$

Have a look what the booklet for
Yxy(87.7935, 0.3098, 0.3906)
contains.

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Color

Yxy(87.7856, 0.3098, 0.3907)

Conversions

Conversions Part 1

Format	Color
Hex	C7FFC7
RGB	199, 255, 199
RGB Percent	78%, 100%, 78%
CMY	0.2198, 0.0000, 0.2197
CMYK	0.22, 0.00, 0.22, 0.00
HSL	120°, 100%, 89%
HSV	120°, 22%, 100%
XYZ	69.6083, 87.7856, 67.2941
YIQ	231.8720, -15.4000, -29.2880

Conversions

Conversions Part 2

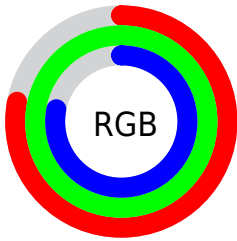
Format	Color
RYB	199, 255, 255
Decimal	13107143
CIELab	95.07, -28.06, 21.14
CIElCh	95, 35.135, 143.008
Yxy	87.7856, 0.3098, 0.3907
Android (android.graphics.Color)	4291297223 (0xFFC7FFC7)
YUV	231.8720, -16.2059, -28.8287
Hunter-Lab	93.6940, -31.3509, 23.0018

Details

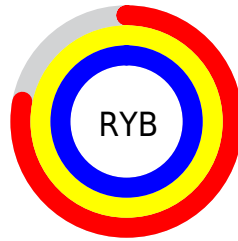
The Yxy color **87.7856, 0.3098, 0.3907** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.2984, 0.3153, 0.2742**, and the grayscale version is **80.7115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3618, 0.3084, 0.4052** is the 20% darker color. If you saturate the color by 10%, you get **83.4912, 0.3082, 0.4241**, and if you desaturate by 10%, it is **92.8452, 0.3112, 0.3605**.

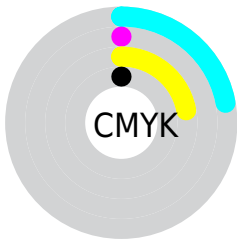
Distribution



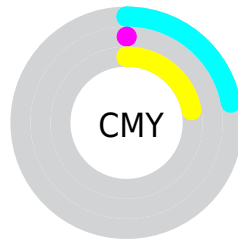
- Red (78%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7856, 0.3098, 0.3907 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 87.7856, 0.3098, 0.3907 by changing the saturation by 10% instead.


 87.7856, 0.3098,
0.3907

 87.7856, 0.3098,
0.3907


520.8009, 0.3117,
0.3620

 66.1455, 0.3092,
0.3973

144.2586, 0.3106,
0.3807

 48.3905, 0.3085,
0.4054


179.8604, 0.3108,
0.3768

 34.1363, 0.3074,
0.4158


220.8848, 0.3110,
0.3735

 22.9983, 0.3059,
0.4293

267.7163, 0.3112,
0.3706

 14.5923, 0.3034,
0.4477

320.7392, 0.3114,
0.3680

 8.5337, 0.2993,
0.4741

380.3381, 0.3115,

 4.4383, 0.2916,

0.3658

0.5149

446.8971, 0.3116,
0.3638

■ 1.9217, 0.2853,
0.6077

■ 0.5613, 0.0000,
1.0000

■ 87.7856, 0.3098,
0.3907

■ 87.7856, 0.3098,
0.3907

■ 83.4912, 0.3082,
0.4241

■ 92.8452, 0.3112,
0.3605

■ 79.9491, 0.3065,
0.4597

■ 98.7323, 0.3125,
0.3339

■ 77.1082, 0.3048,
0.4960

■ 100.0000, 0.3127,
0.3290

■ 74.9221, 0.3032,
0.5303

■ 73.3386, 0.3019,
0.5598

■ 72.2974, 0.3008,
0.5819

■ 71.7261, 0.3002,
0.5950

■ 71.5204, 0.3000,
0.6000

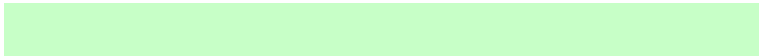
Harmonies

Analogous

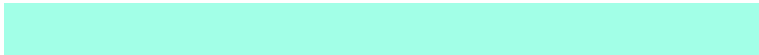
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7856, 0.3489, 0.4006



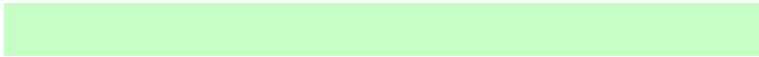
87.7856, 0.3098, 0.3907



87.7856, 0.2730, 0.3604

Triad

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



87.7856, 0.3098, 0.3907



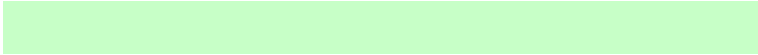
87.7856, 0.2485, 0.2685



87.7856, 0.3820, 0.3303

Complementary

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



87.7856, 0.3098, 0.3907



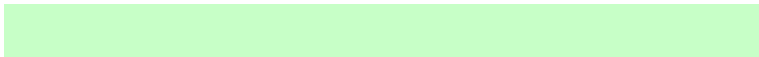
69.2984, 0.3153, 0.2742

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.



87.7856, 0.3517, 0.2997



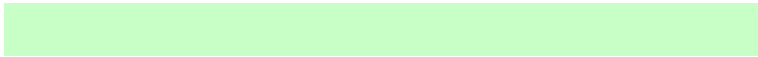
87.7856, 0.3098, 0.3907



87.7856, 0.2742, 0.2650

Square

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



87.7856, 0.3098, 0.3907



87.7856, 0.2391, 0.2881



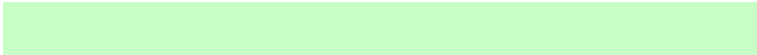
87.7856, 0.3116, 0.2764



87.7856, 0.3922, 0.3625

Rectangle

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



87.7856, 0.3098, 0.3907



87.7856, 0.2544, 0.3344



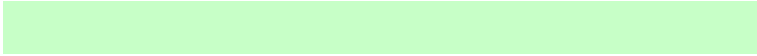
87.7856, 0.3116, 0.2764



87.7856, 0.3737, 0.3196

Sweetspot

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



87.7769, 0.3098, 0.3907



95.6742, 0.3119, 0.3468



96.9009, 0.3460, 0.3841



20.4025, 0.3118, 0.3484



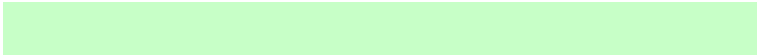
0.0000, 0.0000, 0.0000



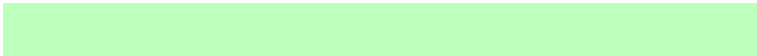
21.4041, 0.3127, 0.3290

Same Dimension

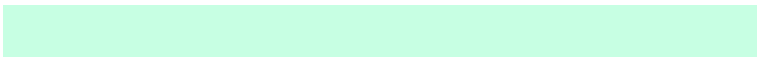
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7769, 0.3098, 0.3907



85.9634, 0.3092, 0.4037



89.1988, 0.2946, 0.3591



20.1684, 0.3116, 0.3536



37.3710, 0.3000, 0.6000



3.6387, 0.3000, 0.5999

Inverse Universe

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



69.2984, 0.3153, 0.2742



64.7436, 0.3158, 0.2641



67.6252, 0.3358, 0.3007



18.3002, 0.3138, 0.3056



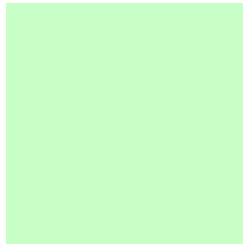
14.8761, 0.3211, 0.1542



1.4485, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 87.7856, 0.3098, 0.3907 looks on a white background.

Color Contrast Check

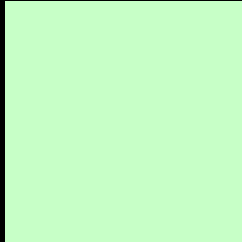
Large Text (above 18pt) WCAG AA × Fail

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 87.7856, 0.3098, 0.3907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

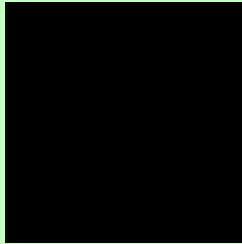
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

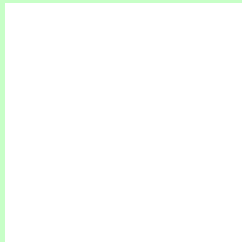
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7856, 0.3098, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 87.7856, 0.3098, 0.3907.



This preview shows how white text looks on a background with the Yxy color 87.7856, 0.3098, 0.3907.

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

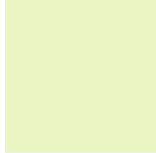
87.7687, 0.2938, 0.3178

Trichromacy



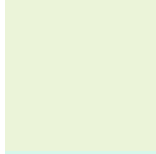
Original Color

87.7856, 0.3098, 0.3907



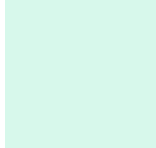
Protanomaly

86.9071, 0.3366, 0.3811



Deuteranomaly

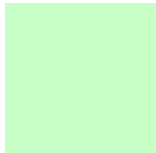
87.3733, 0.3232, 0.3568



Tritanomaly

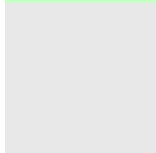
87.5800, 0.2996, 0.3426

Monochromacy



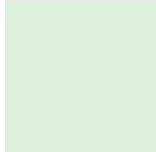
Original Color

87.7856, 0.3098, 0.3907



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.7031, 0.3117, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7856, 0.3098, 0.3907 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(199, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 199)  
}
```

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(199, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 199) }
```

Border

The CSS property to change the border of an element to Yxy 87.7856, 0.3098, 0.3907 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(199, 255, 199) }
```

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

```
.border{ border-color:rgb(199, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7856, 0.3098, 0.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 199) }
```

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

```
.background{ background-color: rgb(199,  
255, 199) }
```

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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