

Converting Colors

$Y_{xy}(117.6734, 0.3093, 0.4269)$

Have a look what the booklet for
Yxy(117.6734, 0.3093, 0.4269)
contains.

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Color

Yxy(88.2467, 0.3111, 0.3892)

Conversions

Conversions Part 1

Format	Color
Hex	CAFFC8
RGB	202, 255, 200
RGB Percent	79%, 100%, 78%
CMY	0.2079, 0.0000, 0.2157
CMYK	0.21, 0.00, 0.22, 0.00
HSL	118°, 100%, 89%
HSV	118°, 22%, 100%
XYZ	70.5384, 88.2467, 67.9536
YIQ	232.8830, -13.9330, -28.3410

Conversions

Conversions Part 2

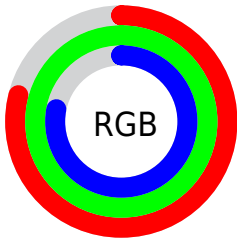
Format	Color
R _Y B	200, 255, 253
Decimal	13303752
CIE Lab	95.26, -26.90, 20.92
CIE LCh	95, 34.078, 142.129
Yxy	88.2467, 0.3111, 0.3892
Android (android.graphics.Color)	4291493832 (0xFFCAFFC8)
YUV	232.8830, -16.2113, -27.0844
Hunter-Lab	93.9397, -30.3606, 22.8689

Details

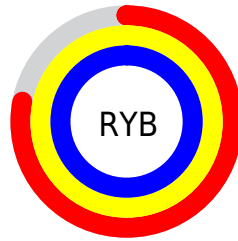
The Yxy color **88.2467, 0.3111, 0.3892** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.4095, 0.3138, 0.2749**, and the grayscale version is **81.5202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6665, 0.3100, 0.4032** is the 20% darker color. If you saturate the color by 10%, you get **83.9905, 0.3100, 0.4222**, and if you desaturate by 10%, it is **93.2429, 0.3120, 0.3593**.

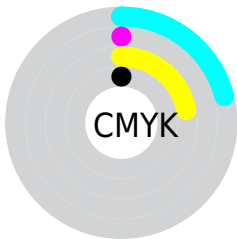
Distribution



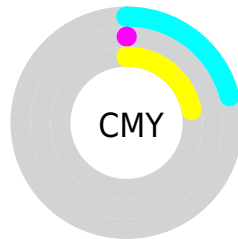
- Red (79%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (99%)



- Cyan (21%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.2467, 0.3111, 0.3892 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 88.2467, 0.3111, 0.3892 by changing the saturation by 10% instead.

 88.2467, 0.3111,
0.3892

 88.2467, 0.3111,
0.3892


522.3108, 0.3124,
0.3612

 66.5274, 0.3107,
0.3956

144.9006, 0.3116,
0.3795

 48.7007, 0.3101,
0.4035


180.6039, 0.3118,
0.3757

 34.3821, 0.3093,
0.4135


221.7374, 0.3120,
0.3725

 23.1873, 0.3080,
0.4266

268.6854, 0.3121,
0.3696

 14.7319, 0.3060,
0.4444

321.8324, 0.3122,
0.3671

 8.6314, 0.3026,
0.4699


381.5627, 0.3123,


 4.5016, 0.2959,

0.3649

0.5091


448.2607, 0.3123,
0.3630


 1.9579, 0.2901,
0.5952

 0.5828, 0.0000,
1.0000


 88.2467, 0.3111,
0.3892


 88.2467, 0.3111,
0.3892

 83.9905, 0.3100,
0.4222

 93.2429, 0.3120,
0.3593


 80.4457, 0.3088,
0.4575


 99.0195, 0.3126,
0.3328


 77.5715, 0.3073,
0.4934

100.0000, 0.3127,
0.3290

 75.3256, 0.3057,
0.5277

 73.6610, 0.3040,
0.5574

 72.5241, 0.3025,
0.5800

 71.8513, 0.3012,
0.5940

 71.5796, 0.3005,
0.5996

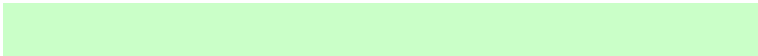
Harmonies

Analogous

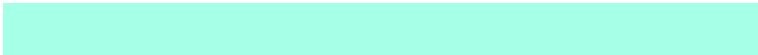
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2467, 0.3489, 0.3982



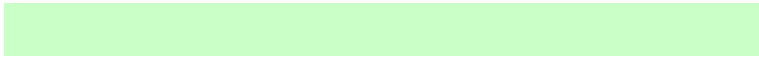
88.2467, 0.3111, 0.3892



88.2467, 0.2752, 0.3604

Triad

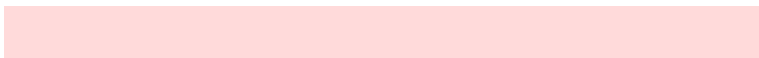
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2467, 0.3111, 0.3892



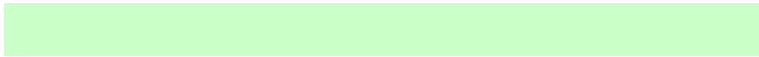
88.2467, 0.2499, 0.2707



88.2467, 0.3791, 0.3295

Complementary

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



88.2467, 0.3111, 0.3892



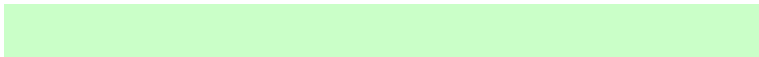
69.4095, 0.3138, 0.2749

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.



88.2467, 0.3494, 0.2998



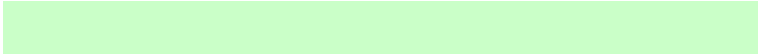
88.2467, 0.3111, 0.3892



88.2467, 0.2745, 0.2668

Square

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



88.2467, 0.3111, 0.3892



88.2467, 0.2413, 0.2902



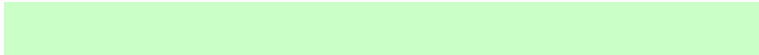
88.2467, 0.3106, 0.2774



88.2467, 0.3897, 0.3607

Rectangle

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



88.2467, 0.3111, 0.3892



88.2467, 0.2569, 0.3354



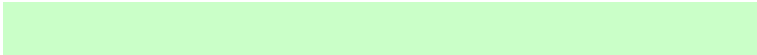
88.2467, 0.3106, 0.2774



88.2467, 0.3710, 0.3191

Sweetspot

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



88.2443, 0.3111, 0.3892



96.3632, 0.3123, 0.3441



95.2075, 0.3459, 0.3805



20.5447, 0.3123, 0.3458



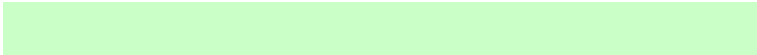
0.0000, 0.0000, 0.0000



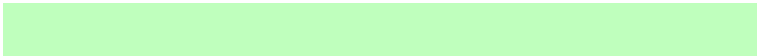
21.4041, 0.3127, 0.3290

Same Dimension

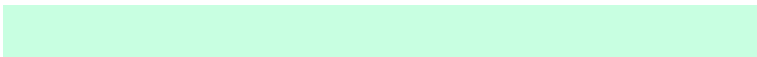
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.2443, 0.3111, 0.3892



86.2706, 0.3107, 0.4035



89.2208, 0.2964, 0.3615



20.1995, 0.3121, 0.3535



37.4154, 0.3007, 0.5994



3.6536, 0.3025, 0.5980

Inverse Universe

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



69.4095, 0.3138, 0.2749



64.2937, 0.3139, 0.2637



68.2924, 0.3332, 0.2986



18.2649, 0.3132, 0.3055



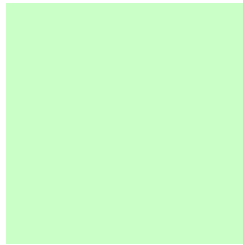
14.0029, 0.3119, 0.1492



1.3735, 0.3130, 0.1498

Previews

White Background



This preview shows how the Yxy color 88.2467, 0.3111, 0.3892 looks on a white background.

Color Contrast Check

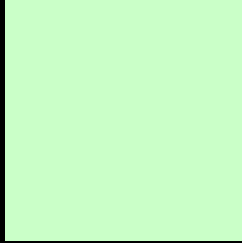
Large Text (above 18pt) WCAG AA × Fail

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 88.2467, 0.3111, 0.3892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

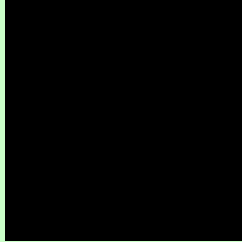
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

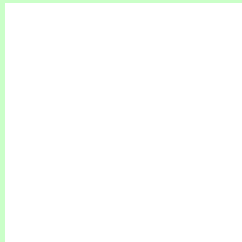
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.2467, 0.3111, 0.3892

Background



This preview shows how black text looks on a background with the Yxy color 88.2467, 0.3111, 0.3892.

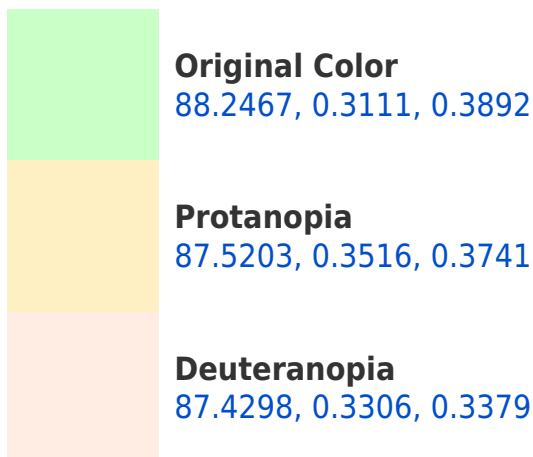


This preview shows how white text looks on a background with the Yxy color 88.2467, 0.3111, 0.3892.

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

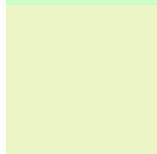
88.0901, 0.2950, 0.3178

Trichromacy



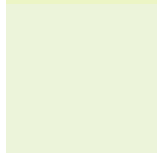
Original Color

88.2467, 0.3111, 0.3892



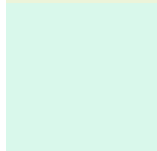
Protanomaly

87.1689, 0.3361, 0.3789



Deuteranomaly

87.5962, 0.3233, 0.3557



Tritanomaly

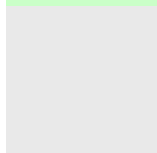
87.8847, 0.3008, 0.3426

Monochromacy



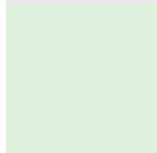
Original Color

88.2467, 0.3111, 0.3892



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.6606, 0.3124, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.2467, 0.3111, 0.3892 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(202, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 200)  
}
```

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(202, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 200) }
```

Border

The CSS property to change the border of an element to Yxy 88.2467, 0.3111, 0.3892 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(202, 255, 200) }
```

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

```
.border{ border-color:rgb(202, 255, 200) }
```

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

Here you see how a box with a 4 pixel rgb(202, 255, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 88.2467, 0.3111, 0.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 200) }
```

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

```
.background{ background-color: rgb(202,  
255, 200) }
```

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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