

Converting Colors

$Y_{xy}(100.0000, 0.3126, 0.4114)$

Have a look what the booklet for
Yxy(100.0000, 0.3126, 0.4114)
contains.

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Color

Yxy(88.0167, 0.3139, 0.3948)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | CAFFC3 |
| RGB | 202, 255, 195 |
| RGB Percent | 79%, 100%, 76% |
| CMY | 0.2076, 0.0000, 0.2352 |
| CMYK | 0.21, 0.00, 0.24, 0.00 |
| HSL | 113°, 100%, 88% |
| HSV | 113°, 24%, 100% |
| XYZ | 69.9809, 88.0167, 64.9424 |
| YIQ | 232.3130, -12.3280, -29.8960 |

Conversions

Conversions Part 2

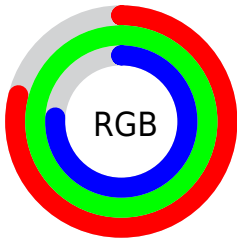
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 195, 255, 248 |
| Decimal | 13303747 |
| CIELab | 95.17, -27.68, 23.32 |
| CIELCh | 95, 36.192, 139.891 |
| Yxy | 88.0167, 0.3139, 0.3948 |
| Android (android.graphics.Color) | 4291493827 (0xFFCAFFC3) |
| YUV | 232.3130, -18.3953, -26.5845 |
| Hunter-Lab | 93.8172, -31.0320, 24.6302 |

Details

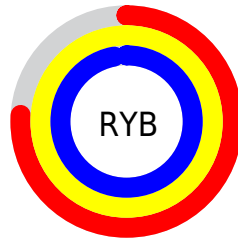
The Yxy color **88.0167, 0.3139, 0.3948** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.2081, 0.3102, 0.2693**, and the grayscale version is **81.1013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **48.5143, 0.3134, 0.4106** is the 20% darker color. If you saturate the color by 10%, you get **84.0484, 0.3139, 0.4277**, and if you desaturate by 10%, it is **92.6475, 0.3135, 0.3647**.

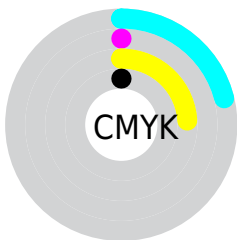
Distribution



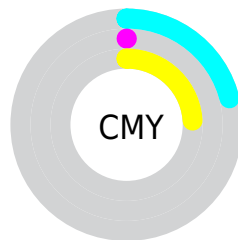
- Red (79%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (97%)



- Cyan (21%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.0167, 0.3139, 0.3948 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 88.0167, 0.3139, 0.3948 by changing the saturation by 10% instead.


 88.0167, 0.3139,
0.3948

 88.0167, 0.3139,
0.3948

521.5579, 0.3140,
0.3642

 66.3369, 0.3137,
0.4018

144.5804, 0.3141,
0.3841

 48.5459, 0.3134,
0.4105


180.2331, 0.3141,
0.3800

 34.2594, 0.3129,
0.4215


221.3122, 0.3141,
0.3765

 23.0930, 0.3119,
0.4359

268.2022, 0.3141,
0.3734

 14.6622, 0.3103,
0.4554

321.2873, 0.3141,
0.3706

 8.5826, 0.3072,
0.4833

380.9520, 0.3141,

 4.4700, 0.3006,

0.3682

0.5260

447.5808, 0.3141,
0.3661

1.9398, 0.3015,
0.6338

0.5721, 0.0000,
1.0000

88.0167, 0.3139,
0.3948

88.0167, 0.3139,
0.3948

84.0484, 0.3139,
0.4277

92.6475, 0.3135,
0.3647

80.7014, 0.3135,
0.4625

97.9572, 0.3130,
0.3377

77.9476, 0.3126,
0.4975

99.9946, 0.3127,
0.3290

75.7520, 0.3110,
0.5304

■ 74.0759, 0.3090,
0.5588

■ 72.8757, 0.3065,
0.5802

■ 72.1003, 0.3038,
0.5934

■ 71.7893, 0.3024,
0.5981

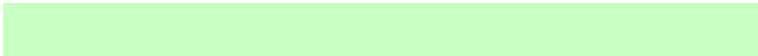
Harmonies

Analogous

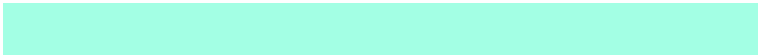
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0167, 0.3538, 0.4024



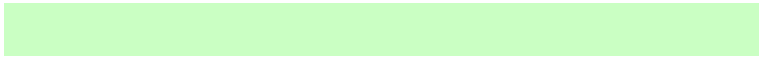
88.0167, 0.3139, 0.3948



88.0167, 0.2753, 0.3652

Triad

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



88.0167, 0.3139, 0.3948



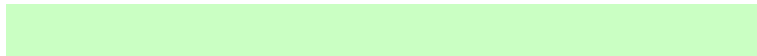
88.0167, 0.2449, 0.2682



88.0167, 0.3816, 0.3268

Complementary

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



88.0167, 0.3139, 0.3948



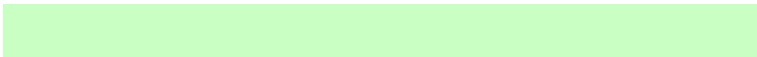
66.2081, 0.3102, 0.2693

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.



88.0167, 0.3488, 0.2959



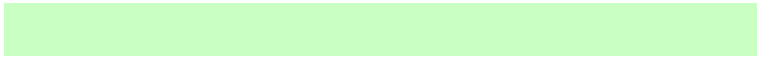
88.0167, 0.3139, 0.3948



88.0167, 0.2697, 0.2629

Square

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



88.0167, 0.3139, 0.3948



88.0167, 0.2372, 0.2898



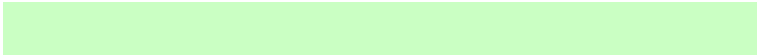
88.0167, 0.3072, 0.2731



88.0167, 0.3946, 0.3600

Rectangle

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



88.0167, 0.3139, 0.3948



88.0167, 0.2553, 0.3388



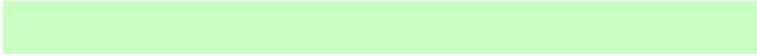
88.0167, 0.3072, 0.2731



88.0167, 0.3724, 0.3159

Sweetspot

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



88.0205, 0.3139, 0.3948



96.0365, 0.3132, 0.3467



91.7184, 0.3500, 0.3806



20.4861, 0.3132, 0.3483



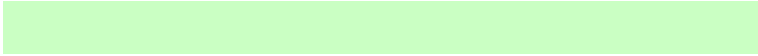
0.0000, 0.0000, 0.0000



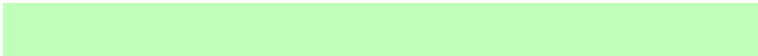
21.4041, 0.3127, 0.3290

Same Dimension

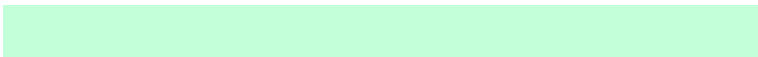
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.0205, 0.3139, 0.3948



86.1674, 0.3140, 0.4093



88.1300, 0.2976, 0.3705



20.2702, 0.3133, 0.3535



37.5463, 0.3029, 0.5977



3.6869, 0.3080, 0.5936

Inverse Universe

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



66.2081, 0.3102, 0.2693



61.0407, 0.3096, 0.2577



66.1821, 0.3317, 0.2909



18.1858, 0.3119, 0.3055



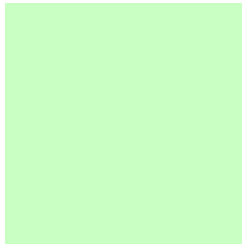
12.1867, 0.2914, 0.1379



1.2159, 0.2950, 0.1399

Previews

White Background



This preview shows how the Yxy color 88.0167, 0.3139, 0.3948 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 88.0167, 0.3139, 0.3948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

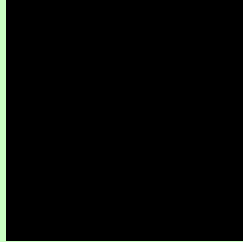
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

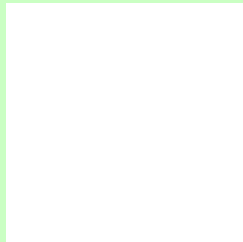
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.0167, 0.3139, 0.3948

Background



This preview shows how black text looks on a background with the Yxy color 88.0167, 0.3139, 0.3948.

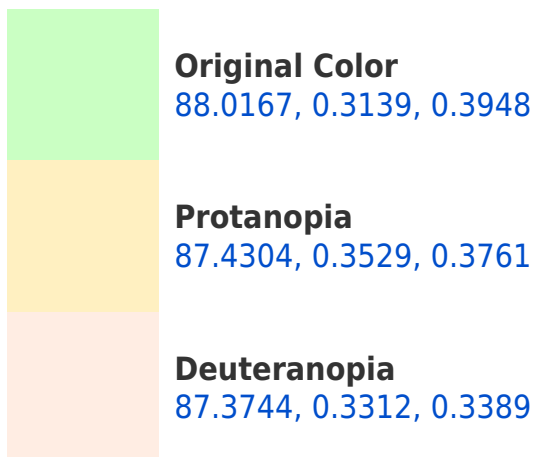


This preview shows how white text looks on a background with the Yxy color 88.0167, 0.3139, 0.3948.

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

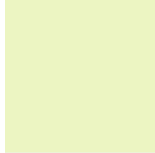
87.4899, 0.2950, 0.3168

Trichromacy



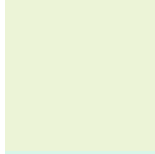
Original Color

88.0167, 0.3139, 0.3948



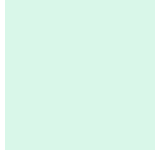
Protanomaly

87.0327, 0.3379, 0.3821



Deuteranomaly

87.4405, 0.3251, 0.3589



Tritanomaly

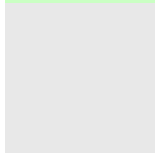
87.1564, 0.3020, 0.3437

Monochromacy



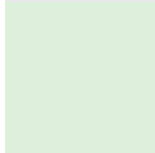
Original Color

88.0167, 0.3139, 0.3948



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.8068, 0.3130, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.0167, 0.3139, 0.3948 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 195) }
```

Border

The CSS property to change the border of an element to Yxy 88.0167, 0.3139, 0.3948 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, 195) }
```

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

```
.border{ border-color:rgb(202, 255, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 88.0167, 0.3139, 0.3948 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, 195) }
```

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

```
.background{ background-color: rgb(202,  
255, 195) }
```

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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