

Converting Colors

$Y_{xy}(132.2222, 0.3116, 0.4489)$

Have a look what the booklet for
Yxy(132.2222, 0.3116, 0.4489)
contains.

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Color

Yxy(87.8823, 0.3155, 0.3982)

Conversions

Conversions Part 1

Format	Color
Hex	CAFFC0
RGB	202, 255, 192
RGB Percent	79%, 100%, 75%
CMY	0.2079, 0.0000, 0.2469
CMYK	0.21, 0.00, 0.25, 0.00
HSL	111°, 100%, 88%
HSV	111°, 25%, 100%
XYZ	69.6305, 87.8823, 63.1861
YIQ	231.9710, -11.3650, -30.8290

Conversions

Conversions Part 2

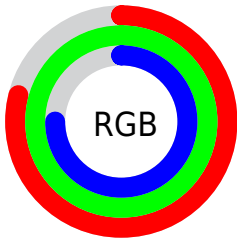
Format	Color
RYB	192, 255, 245
Decimal	13303744
CIELab	95.11, -28.19, 24.75
CIELCh	95, 37.514, 138.718
Yxy	87.8823, 0.3155, 0.3982
Android (android.graphics.Color)	4291493824 (0xFFCAFFC0)
YUV	231.9710, -19.7057, -26.2846
Hunter-Lab	93.7456, -31.4720, 25.6594

Details

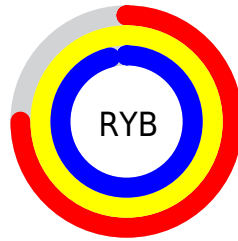
The Yxy color **87.8823, 0.3155, 0.3982** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.3626, 0.3082, 0.2659**, and the grayscale version is **80.8276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **48.4262, 0.3155, 0.4150** is the 20% darker color. If you saturate the color by 10%, you get **84.0568, 0.3161, 0.4311**, and if you desaturate by 10%, it is **92.3183, 0.3145, 0.3679**.

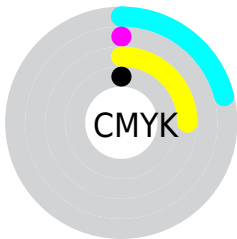
Distribution



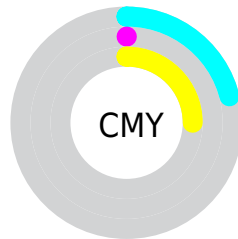
- Red (79%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (96%)



- Cyan (21%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8823, 0.3155, 0.3982 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 87.8823, 0.3155, 0.3982 by changing the saturation by 10% instead.

 87.8823, 0.3155,
0.3982

 87.8823, 0.3155,
0.3982


521.1177, 0.3150,
0.3659

 66.2256, 0.3154,
0.4056

 144.3933, 0.3155,
0.3870

 48.4556, 0.3153,
0.4147


180.0164, 0.3154,
0.3826

 34.1878, 0.3149,
0.4263


221.0637, 0.3153,
0.3789

 23.0379, 0.3141,
0.4415

267.9196, 0.3153,
0.3756

 14.6215, 0.3127,
0.4620

320.9686, 0.3152,
0.3728

 8.5542, 0.3097,
0.4913

380.5950, 0.3151,

 4.4516, 0.3030,

0.3702

0.5361

447.1833, 0.3151,
0.3680

■ 1.9292, 0.3090,
0.6599

■ 0.5659, 0.0000,
1.0000

■ 87.8823, 0.3155,
0.3982

■ 87.8823, 0.3155,
0.3982

■ 84.0568, 0.3161,
0.4311

■ 92.3183, 0.3145,
0.3679

■ 80.8179, 0.3161,
0.4655

■ 97.3936, 0.3133,
0.3407

■ 78.1353, 0.3154,
0.4999

■ 100.0000, 0.3127,
0.3290

■ 75.9770, 0.3139,
0.5321

■ 74.3078, 0.3116,
0.5596

■ 73.0880, 0.3087,
0.5803

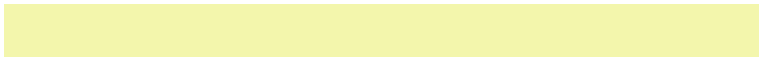
■ 72.2712, 0.3055,
0.5929

■ 71.9759, 0.3039,
0.5969

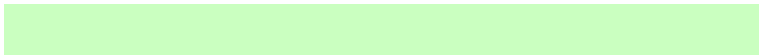
Harmonies

Analogous

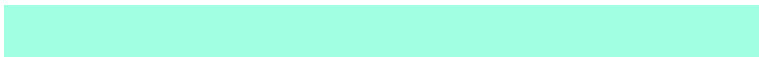
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8823, 0.3567, 0.4050



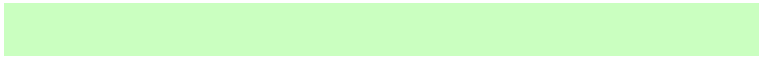
87.8823, 0.3155, 0.3982



87.8823, 0.2753, 0.3682

Triad

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



87.8823, 0.3155, 0.3982



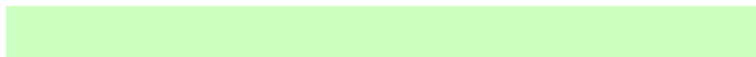
87.8823, 0.2419, 0.2665



87.8823, 0.3832, 0.3253

Complementary

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



87.8823, 0.3155, 0.3982



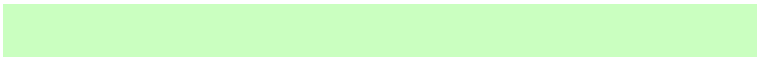
64.3626, 0.3082, 0.2659

Split Complementary

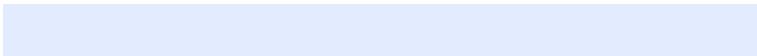
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.8823, 0.3485, 0.2936



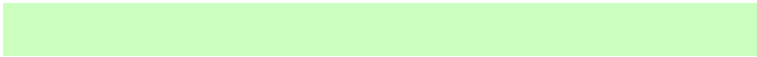
87.8823, 0.3155, 0.3982



87.8823, 0.2668, 0.2606

Square

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



87.8823, 0.3155, 0.3982



87.8823, 0.2347, 0.2895



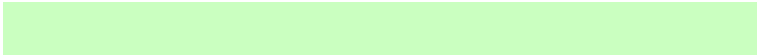
87.8823, 0.3053, 0.2706



87.8823, 0.3975, 0.3596

Rectangle

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



87.8823, 0.3155, 0.3982



87.8823, 0.2543, 0.3407



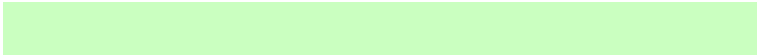
87.8823, 0.3053, 0.2706



87.8823, 0.3734, 0.3141

Sweetspot

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



87.8812, 0.3155, 0.3982



96.1626, 0.3136, 0.3467



90.0747, 0.3525, 0.3813



20.5152, 0.3137, 0.3483



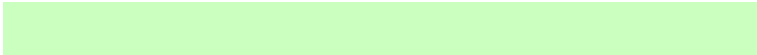
0.0000, 0.0000, 0.0000



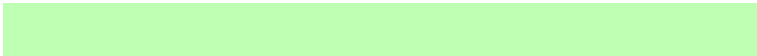
21.4041, 0.3127, 0.3290

Same Dimension

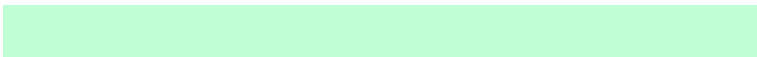
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8812, 0.3155, 0.3982



85.7754, 0.3159, 0.4154



87.5377, 0.2980, 0.3753



20.3057, 0.3139, 0.3534



37.6495, 0.3046, 0.5964



3.7036, 0.3107, 0.5915

Inverse Universe

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



64.3626, 0.3082, 0.2659



58.3021, 0.3068, 0.2519



64.9197, 0.3312, 0.2869



18.1467, 0.3113, 0.3054



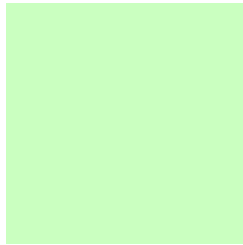
11.3570, 0.2812, 0.1323



1.1431, 0.2860, 0.1349

Previews

White Background



This preview shows how the Yxy color 87.8823, 0.3155, 0.3982 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 87.8823, 0.3155, 0.3982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

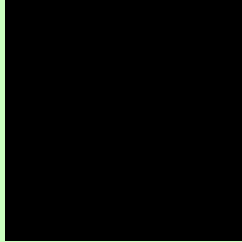
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

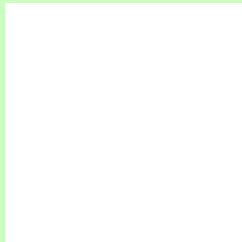
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8823, 0.3155, 0.3982

Background



This preview shows how black text looks on a background with the Yxy color 87.8823, 0.3155, 0.3982.

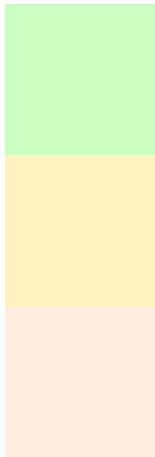


This preview shows how white text looks on a background with the Yxy color 87.8823, 0.3155, 0.3982.

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

87.8823, 0.3155, 0.3982

Protanopia

87.3418, 0.3542, 0.3781

Deuteranopia

87.3194, 0.3319, 0.3399



Tritanopia

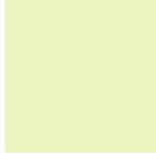
87.3287, 0.2944, 0.3168

Trichromacy



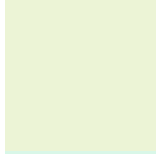
Original Color

87.8823, 0.3155, 0.3982



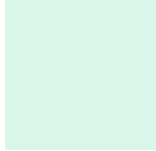
Protanomaly

86.8993, 0.3398, 0.3852



Deuteranomaly

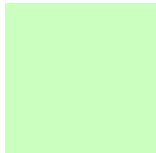
87.3893, 0.3257, 0.3599



Tritanomaly

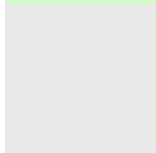
87.0994, 0.3025, 0.3447

Monochromacy



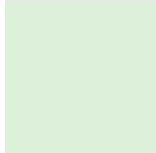
Original Color

87.8823, 0.3155, 0.3982



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.7021, 0.3142, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8823, 0.3155, 0.3982 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, 192)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 192)  
}
```

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, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 192) }
```

Border

The CSS property to change the border of an element to Yxy 87.8823, 0.3155, 0.3982 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, 192) }
```

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

```
.border{ border-color:rgb(202, 255, 192) }
```

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, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8823, 0.3155, 0.3982 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, 192) }
```

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

```
.background{ background-color: rgb(202,  
255, 192) }
```

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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