

Converting Colors

Yxy(87.6183, 0.3103, 0.3958)

Have a look what the booklet for
Yxy(87.6183, 0.3103, 0.3958)
contains.

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Color

Yxy(87.1959, 0.3102, 0.3956)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFC3
RGB	196, 255, 195
RGB Percent	77%, 100%, 76%
CMY	0.2314, 0.0000, 0.2354
CMYK	0.23, 0.00, 0.24, 0.00
HSL	119°, 100%, 88%
HSV	119°, 24%, 100%
XYZ	68.3725, 87.1959, 64.8459
YIQ	230.5190, -15.9040, -31.1680

Conversions

Conversions Part 2

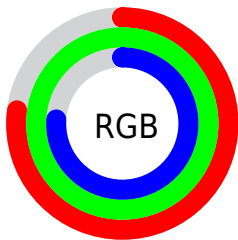
Format	Color
RYB	195, 255, 254
Decimal	12910531
CIELab	94.82, -29.67, 22.80
CIELCh	95, 37.421, 142.458
Yxy	87.1959, 0.3102, 0.3956
Android (android.graphics.Color)	4291100611 (0xFFC4FFC3)
YUV	230.5190, -17.5109, -30.2732
Hunter-Lab	93.3787, -32.7140, 24.1918

Details

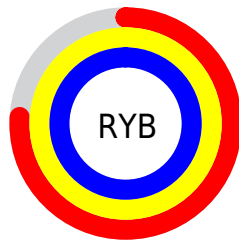
The Yxy color **87.1959, 0.3102, 0.3956** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.3118, 0.3147, 0.2701**, and the grayscale version is **79.6732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4309, 0.3132, 0.3319**, and **47.9740, 0.3088, 0.4117** is the 20% darker color. If you saturate the color by 10%, you get **83.0523, 0.3088, 0.4293**, and if you desaturate by 10%, it is **92.0955, 0.3114, 0.3649**.

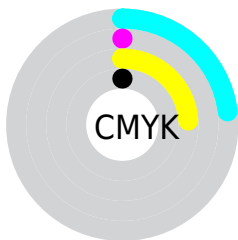
Distribution



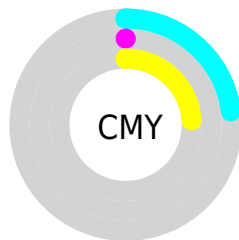
- Red (77%)
- Green (100%)
- Blue (76%)



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



- Cyan (23%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1959, 0.3102, 0.3956 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 87.1959, 0.3102, 0.3956 by changing the saturation by 10% instead.

 87.1959, 0.3102,
0.3956

 87.1959, 0.3102,
0.3956


518.8664, 0.3120,
0.3645

 65.6573, 0.3096,
0.4028

 143.4372, 0.3110,
0.3848

 47.9943, 0.3088,
0.4116


178.9086, 0.3112,
0.3806

 33.8224, 0.3077,
0.4229


219.7932, 0.3114,
0.3769

 22.7572, 0.3061,
0.4376

266.4753, 0.3116,
0.3738

 14.4143, 0.3034,
0.4577

319.3393, 0.3117,
0.3710

 8.4094, 0.2989,
0.4866


378.7695, 0.3118,


 4.3580, 0.2901,


0.3686


0.5312


445.1504, 0.3119,
0.3664


 1.8758, 0.2877,
0.6461


 0.5338, 0.0000,
1.0000


 87.1959, 0.3102,
0.3956


 87.1959, 0.3102,
0.3956


 83.0523, 0.3088,
0.4293


 92.0955, 0.3114,
0.3649

 79.6308, 0.3073,
0.4651

 97.7903, 0.3124,
0.3378

 76.8889, 0.3057,
0.5010

 100.0000, 0.3127,
0.3290

 74.7814, 0.3041,
0.5347

■ 73.2573, 0.3026,
0.5632

■ 72.2580, 0.3014,
0.5841

■ 71.7129, 0.3005,
0.5960

■ 71.5477, 0.3002,
0.5998

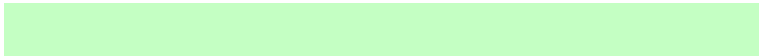
Harmonies

Analogous

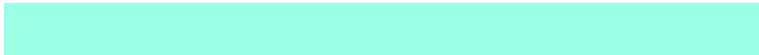
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1959, 0.3519, 0.4055



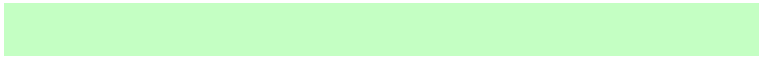
87.1959, 0.3102, 0.3956



87.1959, 0.2709, 0.3633

Triad

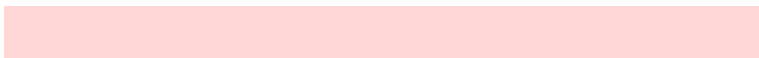
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1959, 0.3102, 0.3956



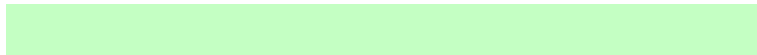
87.1959, 0.2441, 0.2649



87.1959, 0.3863, 0.3295

Complementary

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



87.1959, 0.3102, 0.3956



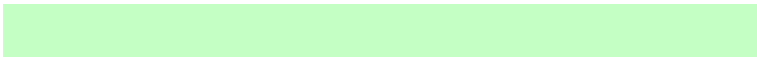
67.3118, 0.3147, 0.2701

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.



87.1959, 0.3536, 0.2972



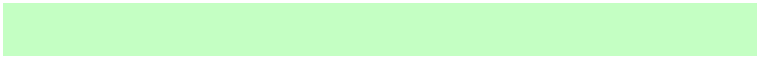
87.1959, 0.3102, 0.3956



87.1959, 0.2710, 0.2610

Square

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



87.1959, 0.3102, 0.3956



87.1959, 0.2345, 0.2857



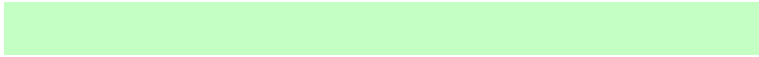
87.1959, 0.3107, 0.2728



87.1959, 0.3976, 0.3637

Rectangle

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



87.1959, 0.3102, 0.3956



87.1959, 0.2511, 0.3354



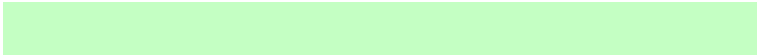
87.1959, 0.3107, 0.2728



87.1959, 0.3773, 0.3182

Sweetspot

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



87.1946, 0.3102, 0.3956



95.7254, 0.3121, 0.3468



95.4496, 0.3488, 0.3862



20.4143, 0.3120, 0.3484



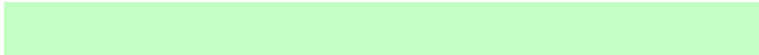
0.0000, 0.0000, 0.0000



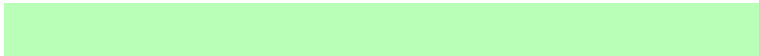
21.4041, 0.3127, 0.3290

Same Dimension

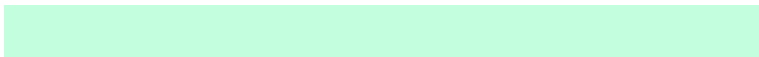
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1946, 0.3102, 0.3956



85.2538, 0.3096, 0.4103



88.4472, 0.2944, 0.3638



20.1827, 0.3118, 0.3536



37.3915, 0.3003, 0.5997



3.6456, 0.3012, 0.5991

Inverse Universe

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



67.3118, 0.3147, 0.2701



62.3675, 0.3151, 0.2589



65.8287, 0.3363, 0.2967



18.2839, 0.3135, 0.3056



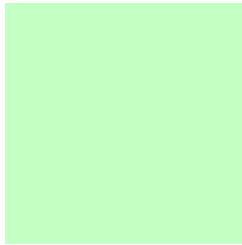
14.4674, 0.3167, 0.1518



1.4134, 0.3172, 0.1521

Previews

White Background



This preview shows how the Yxy color 87.1959, 0.3102, 0.3956 looks on a white background.

Color Contrast Check

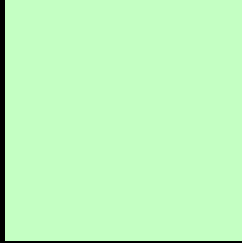
Large Text (above 18pt) WCAG AA × Fail

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 87.1959, 0.3102, 0.3956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

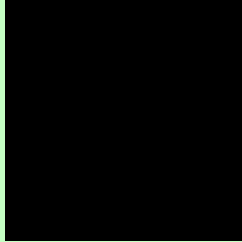
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

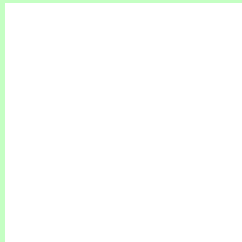
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1959, 0.3102, 0.3956

Background



This preview shows how black text looks on a background with the Yxy color 87.1959, 0.3102, 0.3956.

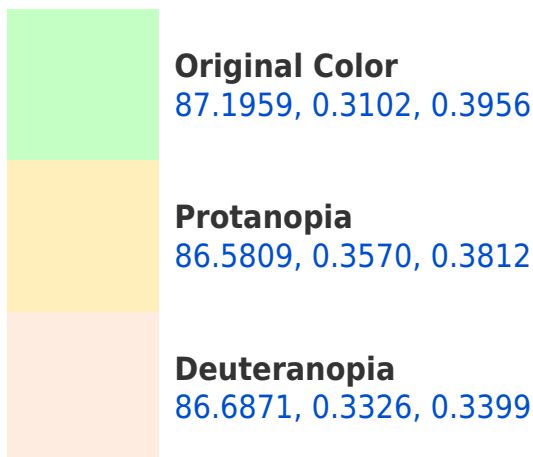


This preview shows how white text looks on a background with the Yxy color 87.1959, 0.3102, 0.3956.

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

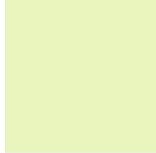
86.8508, 0.2926, 0.3167

Trichromacy



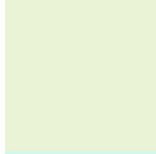
Original Color

87.1959, 0.3102, 0.3956



Protanomaly

86.5149, 0.3390, 0.3866



Deuteranomaly

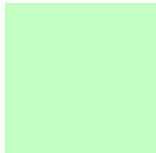
86.4486, 0.3245, 0.3591



Tritanomaly

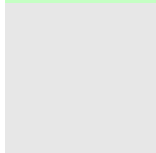
86.5509, 0.2995, 0.3438

Monochromacy



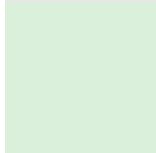
Original Color

87.1959, 0.3102, 0.3956



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.2876, 0.3116, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1959, 0.3102, 0.3956 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(196, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 195) }
```

Border

The CSS property to change the border of an element to Yxy 87.1959, 0.3102, 0.3956 is called "border". The border property can be set on classes, ids or directly on the HTML element.

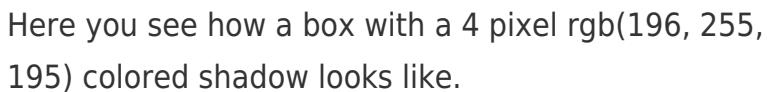
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 255, 195) }
```

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

```
.border{ border-color:rgb(196, 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(196, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 255, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 255, 195); box-shadow:4px 4px 4px 4px rgb(196, 255, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1959, 0.3102, 0.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 195) }
```

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

```
.background{ background-color: rgb(196,  
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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