

Converting Colors

Yxy(87.4914, 0.3160, 0.4019)

Have a look what the booklet for
Yxy(87.4914, 0.3160, 0.4019)
contains.

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Color

Yxy(87.4735, 0.3160, 0.4019)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFBD
RGB	200, 255, 189
RGB Percent	78%, 100%, 74%
CMY	0.2154, 0.0000, 0.2588
CMYK	0.22, 0.00, 0.26, 0.00
HSL	110°, 100%, 87%
HSV	110°, 26%, 100%
XYZ	68.7774, 87.4735, 61.3990
YIQ	231.0310, -11.5940, -32.1860

Conversions

Conversions Part 2

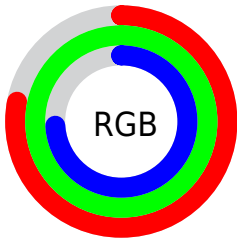
Format	Color
RYB	189, 255, 244
Decimal	13172669
CIELab	94.94, -29.30, 26.04
CIELCh	95, 39.196, 138.366
Yxy	87.4735, 0.3160, 0.4019
Android (android.graphics.Color)	4291362749 (0xFFC8FFBD)
YUV	231.0310, -20.7213, -27.2142
Hunter-Lab	93.5273, -32.4087, 26.5462

Details

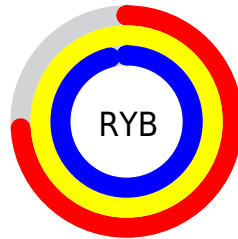
The Yxy color **87.4735, 0.3160, 0.4019** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.8310, 0.3074, 0.2627**, and the grayscale version is **80.1099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **48.1572, 0.3160, 0.4198** is the 20% darker color. If you saturate the color by 10%, you get **83.7423, 0.3166, 0.4349**, and if you desaturate by 10%, it is **91.8125, 0.3149, 0.3713**.

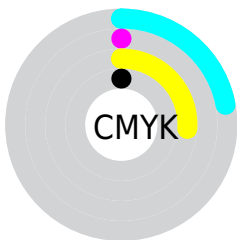
Distribution



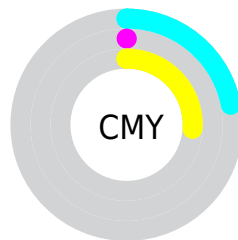
- Red (78%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (96%)



- Cyan (22%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4735, 0.3160, 0.4019 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 87.4735, 0.3160, 0.4019 by changing the saturation by 10% instead.


 87.4735, 0.3160,
0.4019

 87.4735, 0.3160,
0.4019


519.7775, 0.3153,
0.3678

 65.8871, 0.3159,
0.4097


 143.8239, 0.3159,
0.3900

 48.1808, 0.3158,
0.4194


179.3568, 0.3159,
0.3854

 33.9701, 0.3154,
0.4317

220.3072, 0.3158,
0.3815

 22.8706, 0.3146,
0.4477

267.0597, 0.3157,
0.3780

 14.4980, 0.3130,
0.4695

319.9986, 0.3156,
0.3750

 8.4678, 0.3096,
0.5006


379.5082, 0.3155,


 4.3957, 0.3021,

0.3724


0.5480


445.9731, 0.3154,
0.3700


 1.8973, 0.3111,
0.6889


 0.5468, 0.0000,
1.0000

 87.4735, 0.3160,
0.4019


 87.4735, 0.3160,
0.4019

 83.7423, 0.3166,
0.4349


 91.8125, 0.3149,
0.3713

 80.5808, 0.3167,
0.4694

 96.7730, 0.3136,
0.3438

 77.9638, 0.3160,
0.5035

99.9946, 0.3127,
0.3290

 75.8601, 0.3145,
0.5352

■ 74.2347, 0.3121,
0.5620

■ 73.0484, 0.3090,
0.5817

■ 72.2551, 0.3056,
0.5935

■ 72.0235, 0.3043,
0.5966

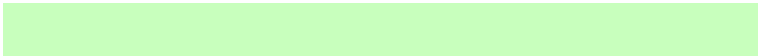
Harmonies

Analogous

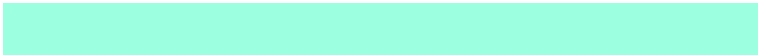
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4735, 0.3590, 0.4085



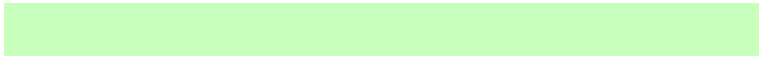
87.4735, 0.3160, 0.4019



87.4735, 0.2740, 0.3705

Triad

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



87.4735, 0.3160, 0.4019



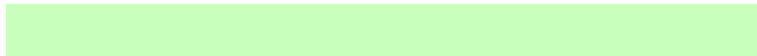
87.4735, 0.2386, 0.2639



87.4735, 0.3862, 0.3245

Complementary

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



87.4735, 0.3160, 0.4019



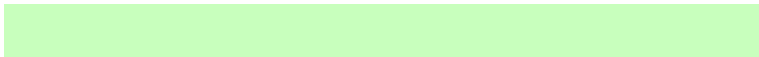
62.8310, 0.3074, 0.2627

Split Complementary

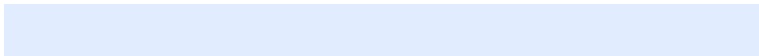
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4735, 0.3496, 0.2917



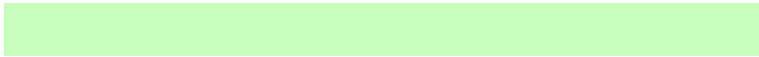
87.4735, 0.3160, 0.4019



87.4735, 0.2643, 0.2576

Square

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



87.4735, 0.3160, 0.4019



87.4735, 0.2313, 0.2879



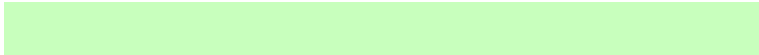
87.4735, 0.3043, 0.2679



87.4735, 0.4015, 0.3603

Rectangle

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



87.4735, 0.3160, 0.4019



87.4735, 0.2520, 0.3417



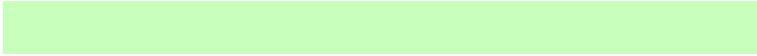
87.4735, 0.3043, 0.2679



87.4735, 0.3759, 0.3130

Sweetspot

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



87.4772, 0.3160, 0.4019



95.6761, 0.3139, 0.3493



88.9690, 0.3548, 0.3829



20.3145, 0.3141, 0.3534



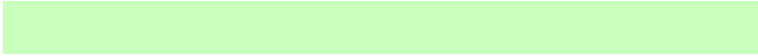
0.0000, 0.0000, 0.0000



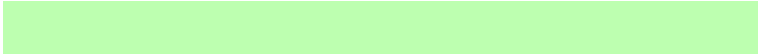
21.4041, 0.3127, 0.3290

Same Dimension

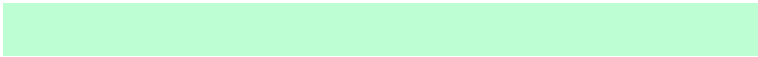
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4772, 0.3160, 0.4019



85.4987, 0.3164, 0.4185



86.9806, 0.2980, 0.3791



20.3145, 0.3141, 0.3534



37.6792, 0.3050, 0.5960



3.7077, 0.3113, 0.5910

Inverse Universe

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



62.8310, 0.3074, 0.2627



57.0818, 0.3059, 0.2491



63.5973, 0.3314, 0.2837



18.1371, 0.3111, 0.3054



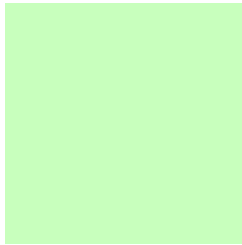
11.1601, 0.2787, 0.1309



1.1257, 0.2838, 0.1337

Previews

White Background



This preview shows how the Yxy color 87.4735, 0.3160, 0.4019 looks on a white background.

Color Contrast Check

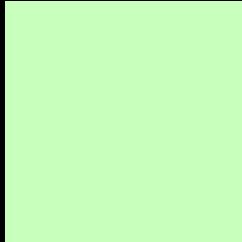
Large Text (above 18pt) WCAG AA × Fail

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 87.4735, 0.3160, 0.4019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

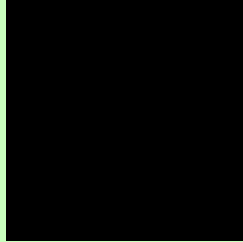
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

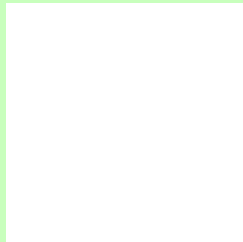
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4735, 0.3160, 0.4019

Background



This preview shows how black text looks on a background with the Yxy color 87.4735, 0.3160, 0.4019.

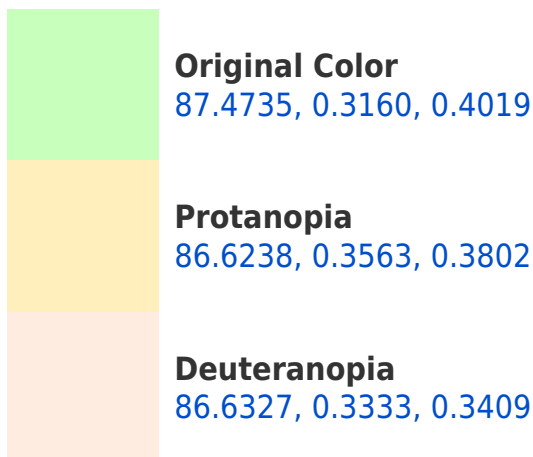


This preview shows how white text looks on a background with the Yxy color 87.4735, 0.3160, 0.4019.

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

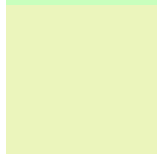
87.1685, 0.2938, 0.3168

Trichromacy



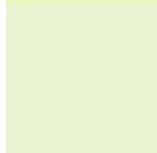
Original Color

87.4735, 0.3160, 0.4019



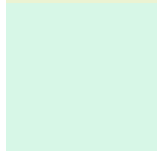
Protanomaly

86.5978, 0.3410, 0.3885



Deuteranomaly

86.4665, 0.3270, 0.3622



Tritanomaly

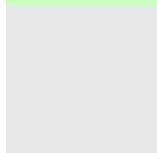
86.7381, 0.3019, 0.3458

Monochromacy



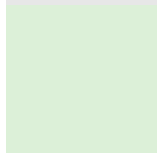
Original Color

87.4735, 0.3160, 0.4019



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4937, 0.3141, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4735, 0.3160, 0.4019 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(200, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 189)  
}
```

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(200, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 189) }
```

Border

The CSS property to change the border of an element to Yxy 87.4735, 0.3160, 0.4019 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(200, 255, 189) }
```

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

```
.border{ border-color:rgb(200, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4735, 0.3160, 0.4019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 189) }
```

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

```
.background{ background-color: rgb(200,  
255, 189) }
```

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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