

Converting Colors

$Yxy(86.8837, 0.3119, 0.4003)$

Have a look what the booklet for
Yxy(86.8837, 0.3119, 0.4003)
contains.

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Color

Yxy(86.8837, 0.3118, 0.4003)

Conversions

Conversions Part 1

Format	Color
Hex	C3FFBF
RGB	195, 255, 191
RGB Percent	76%, 100%, 75%
CMY	0.2352, 0.0000, 0.2510
CMYK	0.24, 0.00, 0.25, 0.00
HSL	116°, 100%, 87%
HSV	116°, 25%, 100%
XYZ	67.6751, 86.8837, 62.4877
YIQ	229.7640, -15.2160, -32.6240

Conversions

Conversions Part 2

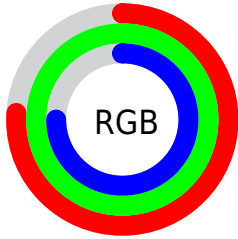
Format	Color
RYB	191, 255, 251
Decimal	12844991
CIELab	94.69, -30.63, 24.64
CIELCh	95, 39.309, 141.186
Yxy	86.8837, 0.3118, 0.4003
Android (android.graphics.Color)	4291035071 (0xFFC3FFBF)
YUV	229.7640, -19.1107, -30.4880
Hunter-Lab	93.2114, -33.5221, 25.5008

Details

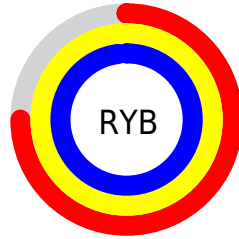
The Yxy color **86.8837, 0.3118, 0.4003** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.9793, 0.3126, 0.2657**, and the grayscale version is **79.1056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9928, 0.3149, 0.3357**, and **47.7698, 0.3108, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **82.9282, 0.3110, 0.4340**, and if you desaturate by 10%, it is **91.5511, 0.3123, 0.3694**.

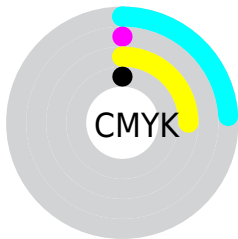
Distribution



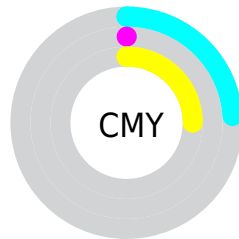
- Red (76%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (98%)



- Cyan (24%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8837, 0.3118, 0.4003 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 86.8837, 0.3118, 0.4003 by changing the saturation by 10% instead.

 86.8837, 0.3118,
0.4003

 86.8837, 0.3118,
0.4003

517.8406, 0.3130,
0.3669

 65.3990, 0.3113,
0.4080


 143.0020, 0.3124,
0.3887

 47.7847, 0.3107,
0.4175


178.4044, 0.3125,
0.3841

 33.6564, 0.3097,
0.4296


219.2148, 0.3127,
0.3803

 22.6298, 0.3081,
0.4455

265.8176, 0.3128,
0.3769

 14.3204, 0.3056,
0.4671

318.5972, 0.3128,
0.3739

 8.3438, 0.3010,
0.4982

377.9379, 0.3129,

 4.3157, 0.2917,

0.3713

0.5459

444.2243, 0.3130,
0.3690

■ 1.8517, 0.2958,
0.6864

■ 0.5191, 0.0000,
1.0000

■ 86.8837, 0.3118,
0.4003

■ 86.8837, 0.3118,
0.4003

■ 82.9282, 0.3110,
0.4340

■ 91.5511, 0.3123,
0.3694

■ 79.6394, 0.3099,
0.4695

■ 96.9513, 0.3126,
0.3418

■ 76.9836, 0.3085,
0.5049

■ 99.9995, 0.3127,
0.3290

■ 74.9202, 0.3069,
0.5377

■ 73.4035, 0.3050,
0.5652

■ 72.3814, 0.3032,
0.5850

■ 71.7914, 0.3015,
0.5963

■ 71.6306, 0.3010,
0.5992

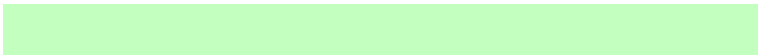
Harmonies

Analogous

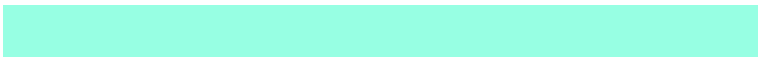
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8837, 0.3554, 0.4094



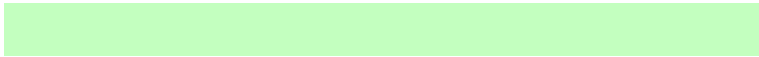
86.8837, 0.3118, 0.4003



86.8837, 0.2703, 0.3669

Triad

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



86.8837, 0.3118, 0.4003



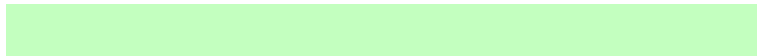
86.8837, 0.2399, 0.2623



86.8837, 0.3891, 0.3279

Complementary

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



86.8837, 0.3118, 0.4003



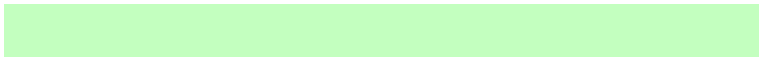
64.9793, 0.3126, 0.2657

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.



86.8837, 0.3538, 0.2944



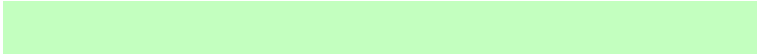
86.8837, 0.3118, 0.4003



86.8837, 0.2673, 0.2576

Square

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



86.8837, 0.3118, 0.4003



86.8837, 0.2308, 0.2847



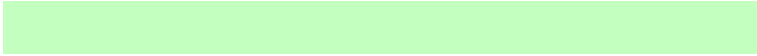
86.8837, 0.3085, 0.2693



86.8837, 0.4020, 0.3637

Rectangle

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



86.8837, 0.3118, 0.4003



86.8837, 0.2491, 0.3375



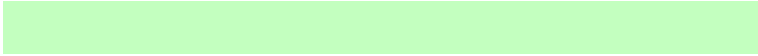
86.8837, 0.3085, 0.2693



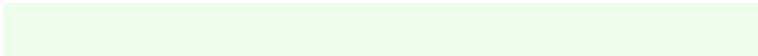
86.8837, 0.3793, 0.3161

Sweetspot

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



86.8874, 0.3118, 0.4003



95.3088, 0.3126, 0.3494



93.8482, 0.3517, 0.3881



20.2229, 0.3125, 0.3535



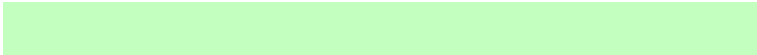
0.0000, 0.0000, 0.0000



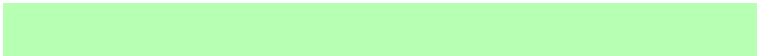
21.4041, 0.3127, 0.3290

Same Dimension

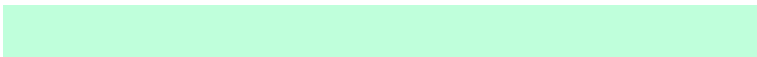
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8874, 0.3118, 0.4003



84.8624, 0.3115, 0.4165



87.6950, 0.2944, 0.3688



20.2229, 0.3125, 0.3535



37.4495, 0.3013, 0.5990



3.6646, 0.3044, 0.5965

Inverse Universe

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



64.9793, 0.3126, 0.2657



59.6153, 0.3125, 0.2532



64.0786, 0.3366, 0.2923



18.2385, 0.3128, 0.3055



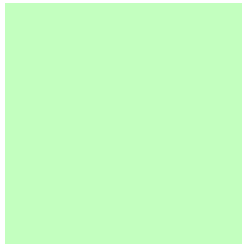
13.3768, 0.3051, 0.1454



1.3194, 0.3070, 0.1465

Previews

White Background



This preview shows how the Yxy color 86.8837, 0.3118, 0.4003 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 86.8837, 0.3118, 0.4003 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

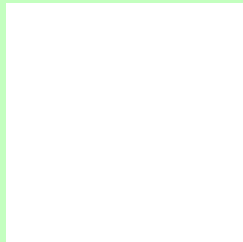
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8837, 0.3118, 0.4003

Background



This preview shows how black text looks on a background with the Yxy color 86.8837, 0.3118, 0.4003.

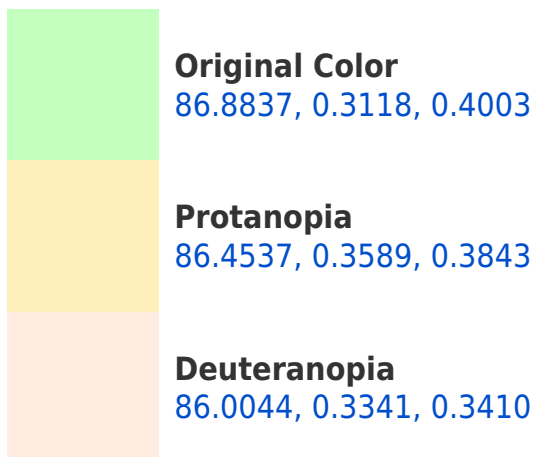


This preview shows how white text looks on a background with the Yxy color 86.8837, 0.3118, 0.4003.

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

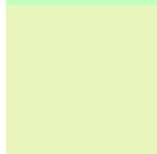
86.6933, 0.2920, 0.3167

Trichromacy



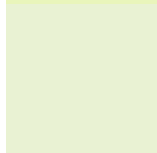
Original Color

86.8837, 0.3118, 0.4003



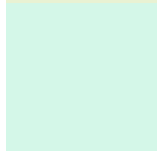
Protanomaly

86.2163, 0.3402, 0.3899



Deuteranomaly

85.5310, 0.3258, 0.3613



Tritanomaly

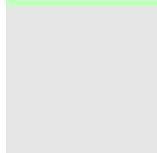
86.3448, 0.2995, 0.3449

Monochromacy



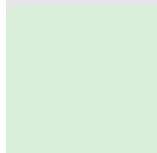
Original Color

86.8837, 0.3118, 0.4003



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4426, 0.3122, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8837, 0.3118, 0.4003 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(195, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 191)  
}
```

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(195, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 191) }
```

Border

The CSS property to change the border of an element to Yxy 86.8837, 0.3118, 0.4003 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(195, 255, 191) }
```

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

```
.border{ border-color:rgb(195, 255, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 255, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8837, 0.3118, 0.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 191) }
```

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

```
.background{ background-color: rgb(195,  
255, 191) }
```

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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