

Converting Colors

$Y_{xy}(149.0758, 0.3005, 0.4508)$

Have a look what the booklet for
Yxy(149.0758, 0.3005, 0.4508)
contains.

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Color

Yxy(87.0526, 0.3012, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	BFFFCE
RGB	191, 255, 206
RGB Percent	75%, 100%, 81%
CMY	0.2510, 0.0000, 0.1920
CMYK	0.25, 0.00, 0.19, 0.00
HSL	134°, 100%, 87%
HSV	134°, 25%, 100%
XYZ	68.3887, 87.0526, 71.6129
YIQ	230.2780, -22.4150, -28.8070

Conversions

Conversions Part 2

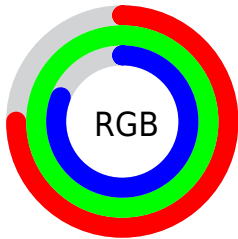
Format	Color
RYB	191, 243, 255
Decimal	12582862
CIELab	94.76, -29.37, 17.04
CIELCh	95, 33.957, 149.887
Yxy	87.0526, 0.3012, 0.3834
Android (android.graphics.Color)	4290772942 (0xFFBFFFCF)
YUV	230.2780, -11.9691, -34.4468
Hunter-Lab	93.3020, -32.4411, 19.8040

Details

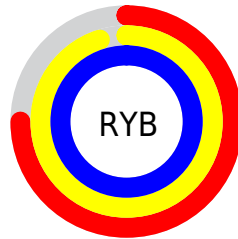
The Yxy color **87.0526, 0.3012, 0.3834** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.8087, 0.3268, 0.2802**, and the grayscale version is **79.4515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **47.8894, 0.2978, 0.3959** is the 20% darker color. If you saturate the color by 10%, you get **83.1403, 0.2970, 0.4094**, and if you desaturate by 10%, it is **91.6606, 0.3057, 0.3598**.

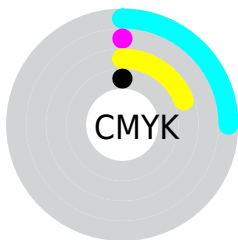
Distribution



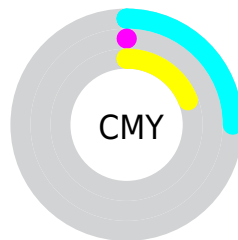
- Red (75%)
- Green (100%)
- Blue (81%)



- Red (75%)
- Yellow (95%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0526, 0.3012, 0.3834 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 87.0526, 0.3012, 0.3834 by changing the saturation by 10% instead.

 87.0526, 0.3012,
0.3834

 87.0526, 0.3012,
0.3834

518.3957, 0.3068,
0.3581

 65.5387, 0.2998,
0.3892

 143.2375, 0.3032,
0.3746

 47.8981, 0.2981,
0.3964


178.6772, 0.3040,
0.3712

 33.7462, 0.2959,
0.4056


219.5278, 0.3046,
0.3682

 22.6987, 0.2929,
0.4176

266.1735, 0.3052,
0.3657

 14.3712, 0.2886,
0.4339

318.9987, 0.3057,
0.3634

 8.3793, 0.2822,
0.4576

378.3879, 0.3061,

 4.3386, 0.2715,

0.3614

0.4945

444.7254, 0.3065,
0.3597

■ 1.8647, 0.2542,
0.5670

■ 0.5270, 0.0000,
1.0000

■ 87.0526, 0.3012,
0.3834

■ 87.0526, 0.3012,
0.3834

■ 83.1403, 0.2970,
0.4094

■ 91.6606, 0.3057,
0.3598

■ 79.8859, 0.2933,
0.4375

■ 96.9923, 0.3104,
0.3388

■ 77.2535, 0.2904,
0.4667

100.0000, 0.3127,
0.3290

■ 75.2023, 0.2887,
0.4960

■ 73.6865, 0.2884,
0.5238

■ 72.6531, 0.2896,
0.5485

■ 72.0375, 0.2921,
0.5685

■ 71.8454, 0.2935,
0.5765

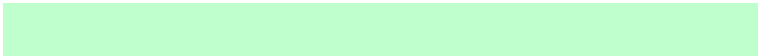
Harmonies

Analogous

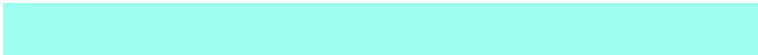
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0526, 0.3396, 0.3981



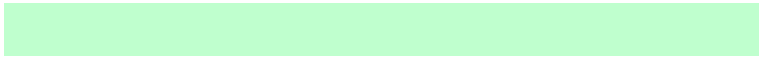
87.0526, 0.3012, 0.3834



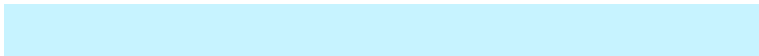
87.0526, 0.2673, 0.3509

Triad

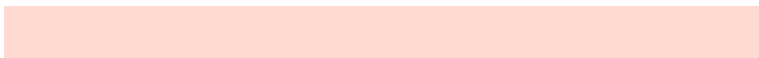
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0526, 0.3012, 0.3834



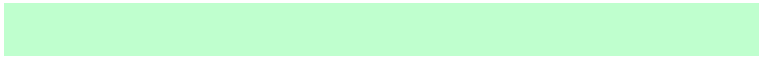
87.0526, 0.2548, 0.2682



87.0526, 0.3840, 0.3376

Complementary

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



87.0526, 0.3012, 0.3834



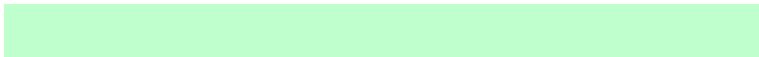
64.8087, 0.3268, 0.2802

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.



87.0526, 0.3585, 0.3069



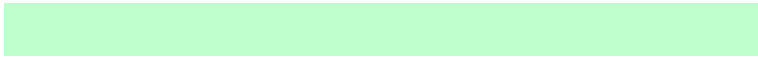
87.0526, 0.3012, 0.3834



87.0526, 0.2829, 0.2682

Square

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



87.0526, 0.3012, 0.3834



87.0526, 0.2418, 0.2837



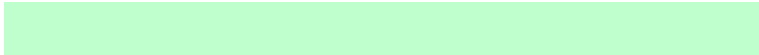
87.0526, 0.3208, 0.2822



87.0526, 0.3888, 0.3682

Rectangle

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



87.0526, 0.3012, 0.3834



87.0526, 0.2515, 0.3256



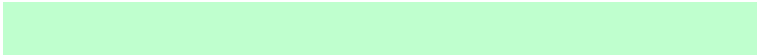
87.0526, 0.3208, 0.2822



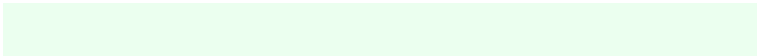
87.0526, 0.3775, 0.3271

Sweetspot

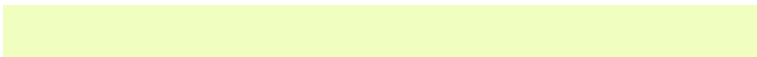
The Sweet Spot groups the original color and five complimentary colors.



87.0539, 0.3012, 0.3834



95.3695, 0.3090, 0.3446



93.8182, 0.3408, 0.3941



20.2381, 0.3083, 0.3477



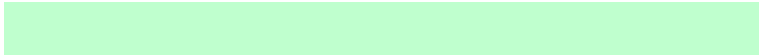
0.0000, 0.0000, 0.0000



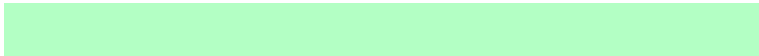
21.4041, 0.3127, 0.3290

Same Dimension

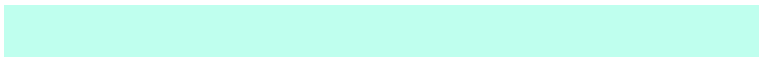
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0539, 0.3012, 0.3834



85.0515, 0.2991, 0.3959



88.7649, 0.2843, 0.3473



20.2381, 0.3083, 0.3477



37.5598, 0.2928, 0.5740



3.6731, 0.2870, 0.5533

Inverse Universe

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



64.8087, 0.3268, 0.2802



59.4159, 0.3301, 0.2704



63.0770, 0.3520, 0.3115



18.2231, 0.3174, 0.3110



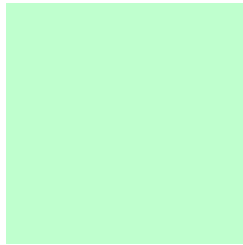
13.1937, 0.3912, 0.1929



1.3014, 0.3815, 0.1875

Previews

White Background



This preview shows how the Yxy color 87.0526, 0.3012, 0.3834 looks on a white background.

Color Contrast Check

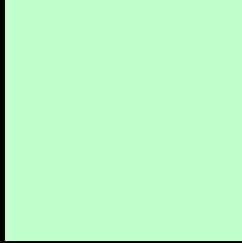
Large Text (above 18pt) WCAG AA × Fail

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 87.0526, 0.3012, 0.3834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

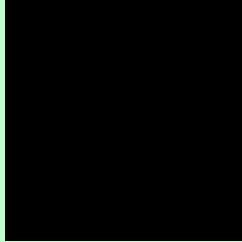
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

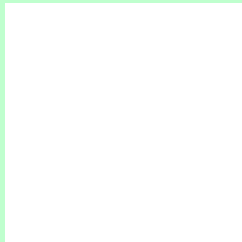
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0526, 0.3012, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 87.0526, 0.3012, 0.3834.

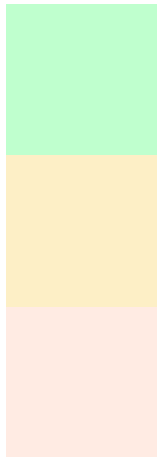


This preview shows how white text looks on a background with the Yxy color 87.0526, 0.3012, 0.3834.

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

87.0526, 0.3012, 0.3834

Protanopia

86.6929, 0.3484, 0.3703

Deuteranopia

86.2227, 0.3315, 0.3370



Tritanopia

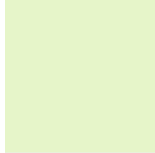
86.3813, 0.2907, 0.3167

Trichromacy



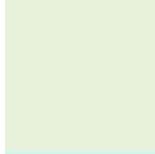
Original Color

87.0526, 0.3012, 0.3834



Protanomaly

86.3449, 0.3295, 0.3752



Deuteranomaly

85.7745, 0.3202, 0.3529



Tritanomaly

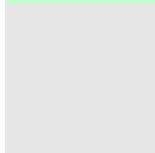
86.1913, 0.2948, 0.3395

Monochromacy



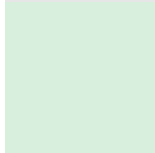
Original Color

87.0526, 0.3012, 0.3834



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.5524, 0.3085, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0526, 0.3012, 0.3834 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(191, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 206)  
}
```

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(191, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 87.0526, 0.3012, 0.3834 is called "border". The border property can be set on classes, ids or directly on the HTML element.

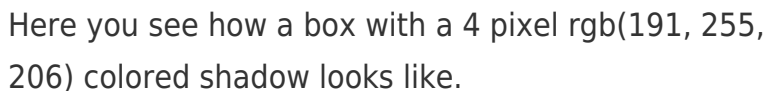
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 255, 206) }
```

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

```
.border{ border-color:rgb(191, 255, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 255, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 255, 206); box-shadow:4px 4px 4px 4px rgb(191, 255, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0526, 0.3012, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 206) }
```

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

```
.background{ background-color: rgb(191,  
255, 206) }
```

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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