

Converting Colors

$Y_{xy}(100.0000, 0.3006, 0.4013)$

Have a look what the booklet for
Yxy(100.0000, 0.3006, 0.4013)
contains.

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Color

Yxy(87.1014, 0.3007, 0.3823)

Conversions

Conversions Part 1

Format	Color
Hex	BFFFCE
RGB	191, 255, 207
RGB Percent	75%, 100%, 81%
CMY	0.2509, 0.0000, 0.1883
CMYK	0.25, 0.00, 0.19, 0.00
HSL	135°, 100%, 87%
HSV	135°, 25%, 100%
XYZ	68.5100, 87.1014, 72.2238
YIQ	230.3920, -22.7360, -28.4960

Conversions

Conversions Part 2

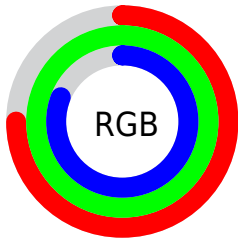
Format	Color
RYB	191, 242, 255
Decimal	12582863
CIELab	94.78, -29.20, 16.58
CIElCh	95, 33.577, 150.412
Yxy	87.1014, 0.3007, 0.3823
Android (android.graphics.Color)	4290772943 (0xFFBFFFCF)
YUV	230.3920, -11.5323, -34.5468
Hunter-Lab	93.3281, -32.2915, 19.4470

Details

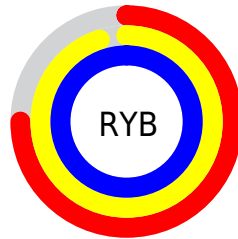
The Yxy color **87.1014, 0.3007, 0.3823** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.7633, 0.3275, 0.2811**, and the grayscale version is **79.5383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **47.9223, 0.2971, 0.3944** is the 20% darker color. If you saturate the color by 10%, you get **83.1995, 0.2963, 0.4078**, and if you desaturate by 10%, it is **91.6957, 0.3054, 0.3592**.

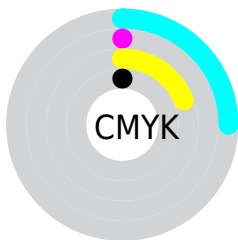
Distribution



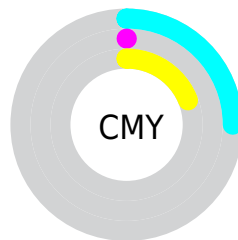
- Red (75%)
- Green (100%)
- Blue (81%)



- 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 87.1014, 0.3007, 0.3823 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 87.1014, 0.3007, 0.3823 by changing the saturation by 10% instead.

 87.1014, 0.3007,
0.3823

 87.1014, 0.3007,
0.3823

518.5560, 0.3065,
0.3575

 65.5791, 0.2993,
0.3880


 143.3055, 0.3028,
0.3737

 47.9308, 0.2975,
0.3950


178.7560, 0.3036,
0.3703

 33.7721, 0.2953,
0.4040

219.6182, 0.3043,
0.3674

 22.7186, 0.2922,
0.4157

266.2763, 0.3048,
0.3649

 14.3858, 0.2879,
0.4317

319.1147, 0.3053,
0.3627

 8.3895, 0.2814,
0.4548

378.5179, 0.3058,

 4.3452, 0.2706,

0.3608

0.4909

444.8702, 0.3062,
0.3591

■ 1.8685, 0.2527,
0.5605

■ 0.5293, 0.0000,
1.0000

■ 87.1014, 0.3007,
0.3823

■ 87.1014, 0.3007,
0.3823

■ 83.1995, 0.2963,
0.4078

■ 91.6957, 0.3054,
0.3592

■ 79.9510, 0.2925,
0.4353

■ 97.0088, 0.3103,
0.3385

■ 77.3208, 0.2895,
0.4641

100.0000, 0.3127,
0.3290

■ 75.2685, 0.2878,
0.4929

■ 73.7485, 0.2874,
0.5205

■ 72.7082, 0.2886,
0.5451

■ 72.0835, 0.2912,
0.5655

■ 71.8862, 0.2927,
0.5737

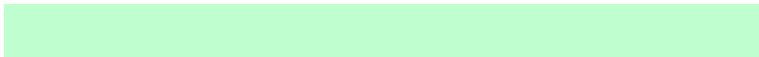
Harmonies

Analogous

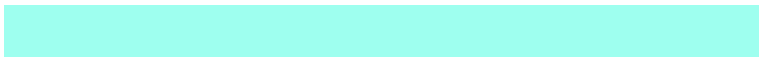
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1014, 0.3387, 0.3972



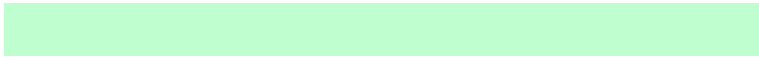
87.1014, 0.3007, 0.3823



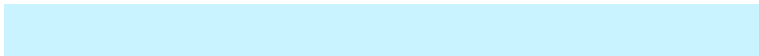
87.1014, 0.2673, 0.3501

Triad

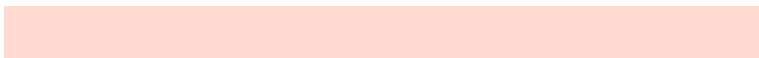
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1014, 0.3007, 0.3823



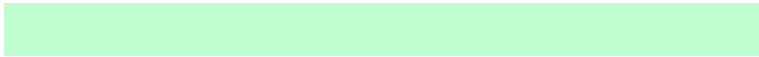
87.1014, 0.2558, 0.2687



87.1014, 0.3835, 0.3381

Complementary

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



87.1014, 0.3007, 0.3823



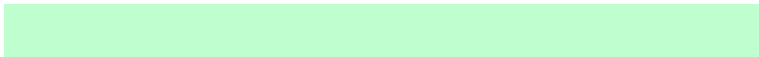
64.7633, 0.3275, 0.2811

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.



87.1014, 0.3586, 0.3077



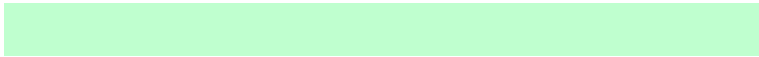
87.1014, 0.3007, 0.3823



87.1014, 0.2839, 0.2689

Square

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



87.1014, 0.3007, 0.3823



87.1014, 0.2426, 0.2838



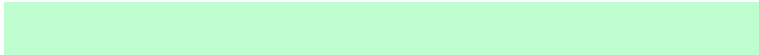
87.1014, 0.3214, 0.2830



87.1014, 0.3878, 0.3683

Rectangle

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



87.1014, 0.3007, 0.3823



87.1014, 0.2518, 0.3251



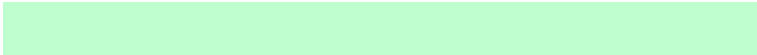
87.1014, 0.3214, 0.2830



87.1014, 0.3772, 0.3277

Sweetspot

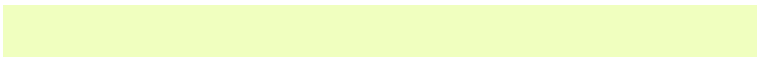
The Sweet Spot groups the original color and five complimentary colors.



87.1031, 0.3007, 0.3823



95.3871, 0.3089, 0.3443



93.8201, 0.3407, 0.3941



20.2425, 0.3081, 0.3473



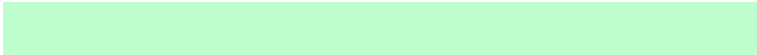
0.0000, 0.0000, 0.0000



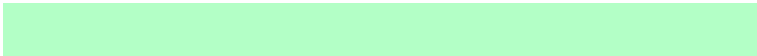
21.4041, 0.3127, 0.3290

Same Dimension

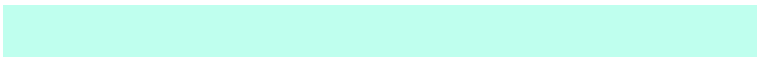
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1031, 0.3007, 0.3823



85.1028, 0.2985, 0.3945



88.7681, 0.2843, 0.3473



20.2425, 0.3081, 0.3473



37.5820, 0.2920, 0.5711



3.6758, 0.2861, 0.5500

Inverse Universe

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



64.7633, 0.3275, 0.2811



59.3508, 0.3310, 0.2714



63.0875, 0.3519, 0.3115



18.2183, 0.3176, 0.3113



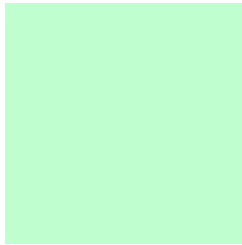
13.1076, 0.3963, 0.1957



1.2937, 0.3858, 0.1899

Previews

White Background



This preview shows how the Yxy color 87.1014, 0.3007, 0.3823 looks on a white background.

Color Contrast Check

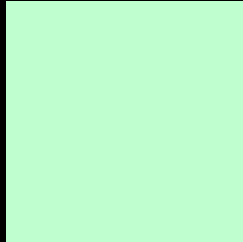
Large Text (above 18pt) WCAG AA × Fail

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 87.1014, 0.3007, 0.3823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

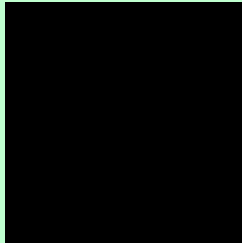
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

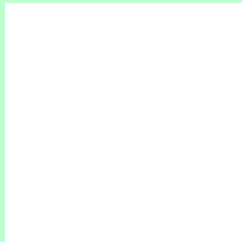
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1014, 0.3007, 0.3823

Background



This preview shows how black text looks on a background with the Yxy color 87.1014, 0.3007, 0.3823.

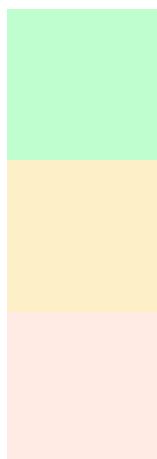


This preview shows how white text looks on a background with the Yxy color 87.1014, 0.3007, 0.3823.

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

87.1014, 0.3007, 0.3823

Protanopia

86.7392, 0.3477, 0.3693

Deuteranopia

86.2227, 0.3315, 0.3370



Tritanopia

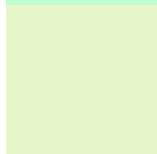
86.9814, 0.2908, 0.3177

Trichromacy



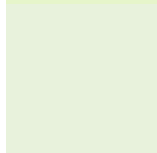
Original Color

87.1014, 0.3007, 0.3823



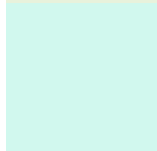
Protanomaly

86.3921, 0.3289, 0.3742



Deuteranomaly

85.8274, 0.3195, 0.3518



Tritanomaly

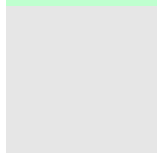
86.8632, 0.2943, 0.3395

Monochromacy



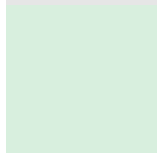
Original Color

87.1014, 0.3007, 0.3823



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.6059, 0.3079, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1014, 0.3007, 0.3823 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 207) }
```

Border

The CSS property to change the border of an element to Yxy 87.1014, 0.3007, 0.3823 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, 207) }
```

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

```
.border{ border-color:rgb(191, 255, 207) }
```

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, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1014, 0.3007, 0.3823 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, 207) }
```

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

```
.background{ background-color: rgb(191,  
255, 207) }
```

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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