

Converting Colors

$Yxy(87.0312, 0.3139, 0.4023)$

Have a look what the booklet for
Yxy(87.0312, 0.3139, 0.4023)
contains.

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Color

Yxy(87.0644, 0.3141, 0.4023)

Conversions

Conversions Part 1

Format	Color
Hex	C5FFBD
RGB	197, 255, 189
RGB Percent	77%, 100%, 74%
CMY	0.2274, 0.0000, 0.2588
CMYK	0.23, 0.00, 0.26, 0.00
HSL	113°, 100%, 87%
HSV	113°, 26%, 100%
XYZ	67.9765, 87.0644, 61.3757
YIQ	230.1340, -13.3820, -32.8220

Conversions

Conversions Part 2

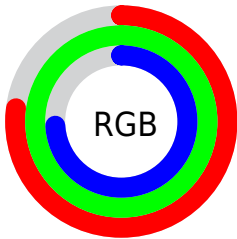
Format	Color
RYB	189, 255, 247
Decimal	12976061
CIELab	94.77, -30.30, 25.76
CIElCh	95, 39.771, 139.625
Yxy	87.0644, 0.3141, 0.4023
Android (android.graphics.Color)	4291166141 (0xFFC5FFBD)
YUV	230.1340, -20.2791, -29.0585
Hunter-Lab	93.3083, -33.2497, 26.3164

Details

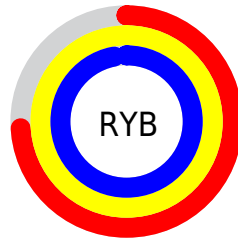
The Yxy color **87.0644, 0.3141, 0.4023** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.3970, 0.3097, 0.2631**, and the grayscale version is **79.4011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **47.8882, 0.3137, 0.4205** is the 20% darker color. If you saturate the color by 10%, you get **83.2522, 0.3141, 0.4357**, and if you desaturate by 10%, it is **91.5281, 0.3138, 0.3715**.

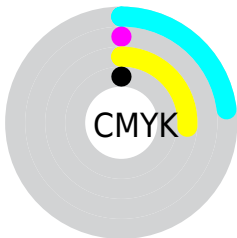
Distribution



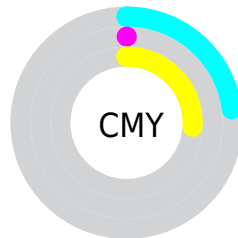
- Red (77%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (97%)



- Cyan (23%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0644, 0.3141, 0.4023 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 87.0644, 0.3141, 0.4023 by changing the saturation by 10% instead.


 87.0644, 0.3141,
0.4023

 87.0644, 0.3141,
0.4023


518.4345, 0.3143,
0.3680

 65.5485, 0.3139,
0.4102


 143.2539, 0.3143,
0.3903

 47.9060, 0.3134,
0.4200

178.6963, 0.3144,
0.3857

 33.7524, 0.3127,
0.4324


219.5496, 0.3144,
0.3817

 22.7035, 0.3116,
0.4486

266.1983, 0.3144,
0.3783

 14.3747, 0.3094,
0.4708

319.0268, 0.3144,
0.3752

 8.3817, 0.3054,
0.5024


378.4193, 0.3144,


 4.3402, 0.2967,


0.3725

0.5508

444.7604, 0.3143,
0.3701


 1.8656, 0.3038,
0.6962

 0.5276, 0.0000,
1.0000


 87.0644, 0.3141,
0.4023


 87.0644, 0.3141,
0.4023

 83.2522, 0.3141,
0.4357


 91.5281, 0.3138,
0.3715

 80.0508, 0.3136,
0.4707

 96.6605, 0.3132,
0.3438

 77.4313, 0.3125,
0.5054

100.0000, 0.3127,
0.3290

 75.3585, 0.3109,
0.5374

■ 73.7931, 0.3087,
0.5643

■ 72.6903, 0.3061,
0.5839

■ 71.9976, 0.3034,
0.5952

■ 71.8102, 0.3025,
0.5980

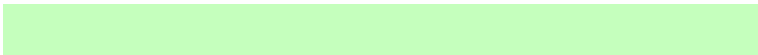
Harmonies

Analogous

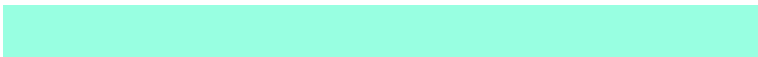
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0644, 0.3580, 0.4101



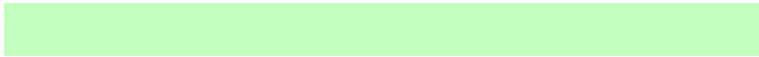
87.0644, 0.3141, 0.4023



87.0644, 0.2718, 0.3695

Triad

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



87.0644, 0.3141, 0.4023



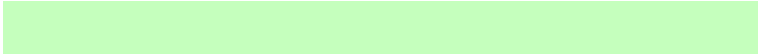
87.0644, 0.2382, 0.2623



87.0644, 0.3886, 0.3259

Complementary

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



87.0644, 0.3141, 0.4023



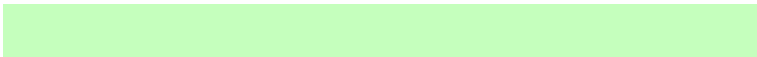
63.3970, 0.3097, 0.2631

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.



87.0644, 0.3520, 0.2924



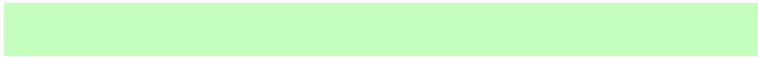
87.0644, 0.3141, 0.4023



87.0644, 0.2650, 0.2567

Square

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



87.0644, 0.3141, 0.4023



87.0644, 0.2300, 0.2858



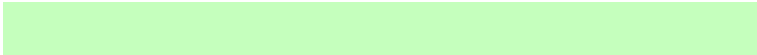
87.0644, 0.3061, 0.2678



87.0644, 0.4030, 0.3622

Rectangle

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



87.0644, 0.3141, 0.4023



87.0644, 0.2499, 0.3400



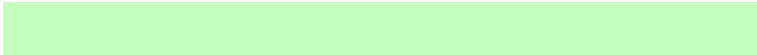
87.0644, 0.3061, 0.2678



87.0644, 0.3783, 0.3141

Sweetspot

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



87.0680, 0.3141, 0.4023



95.5123, 0.3133, 0.3494



90.9697, 0.3540, 0.3859



20.2736, 0.3134, 0.3534



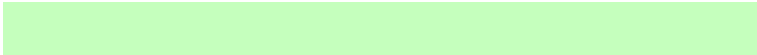
0.0000, 0.0000, 0.0000



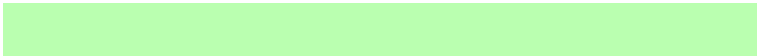
21.4041, 0.3127, 0.3290

Same Dimension

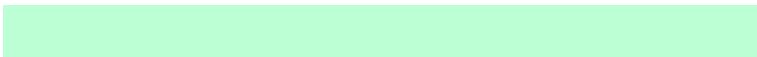
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0680, 0.3141, 0.4023



85.0338, 0.3141, 0.4192



87.1561, 0.2962, 0.3753



20.2736, 0.3134, 0.3534



37.5552, 0.3030, 0.5976



3.6885, 0.3083, 0.5934

Inverse Universe

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



63.3970, 0.3097, 0.2631



57.7379, 0.3088, 0.2498



63.4218, 0.3340, 0.2869



18.1820, 0.3118, 0.3054



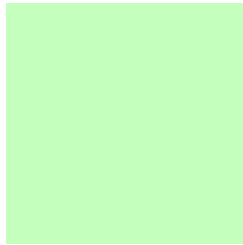
12.1035, 0.2904, 0.1374



1.2086, 0.2941, 0.1394

Previews

White Background



This preview shows how the Yxy color 87.0644, 0.3141, 0.4023 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 87.0644, 0.3141, 0.4023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

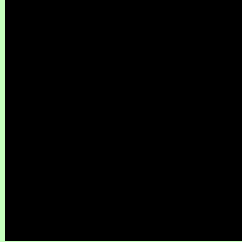
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

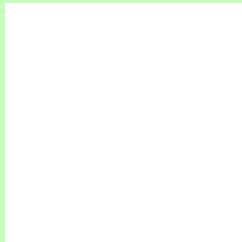
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0644, 0.3141, 0.4023

Background



This preview shows how black text looks on a background with the Yxy color 87.0644, 0.3141, 0.4023.

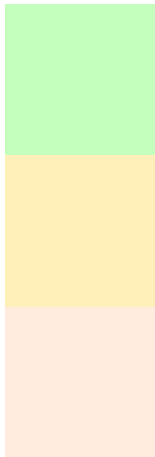


This preview shows how white text looks on a background with the Yxy color 87.0644, 0.3141, 0.4023.

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

87.0644, 0.3141, 0.4023

Protanopia

86.4958, 0.3583, 0.3832

Deuteranopia

86.5786, 0.3339, 0.3419



Tritanopia

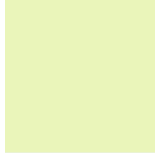
86.8508, 0.2926, 0.3167

Trichromacy



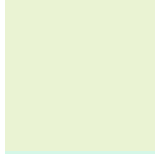
Original Color

87.0644, 0.3141, 0.4023



Protanomaly

86.3424, 0.3415, 0.3908



Deuteranomaly

86.2968, 0.3263, 0.3622



Tritanomaly

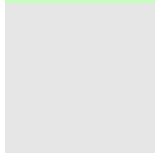
86.4372, 0.3006, 0.3459

Monochromacy



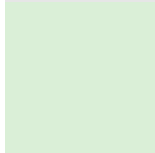
Original Color

87.0644, 0.3141, 0.4023



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.5447, 0.3135, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0644, 0.3141, 0.4023 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(197, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(197, 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(197, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 189) }
```

Border

The CSS property to change the border of an element to Yxy 87.0644, 0.3141, 0.4023 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(197, 255, 189) }
```

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

```
.border{ border-color:rgb(197, 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(197, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0644, 0.3141, 0.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 189) }
```

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

```
.background{ background-color: rgb(197,  
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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