

Converting Colors

$Y_{xy}(101.6814, 0.3167, 0.4252)$

Have a look what the booklet for
Yxy(101.6814, 0.3167, 0.4252)
contains.

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Color

Yxy(87.4403, 0.3188, 0.4063)

Conversions

Conversions Part 1

Format	Color
Hex	C9FFB9
RGB	201, 255, 185
RGB Percent	79%, 100%, 73%
CMY	0.2117, 0.0000, 0.2745
CMYK	0.21, 0.00, 0.27, 0.00
HSL	106°, 100%, 86%
HSV	106°, 27%, 100%
XYZ	68.6093, 87.4403, 59.1616
YIQ	230.8740, -9.7140, -33.2180

Conversions

Conversions Part 2

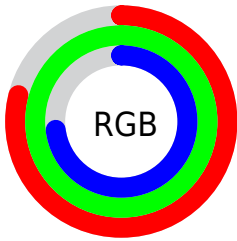
Format	Color
RYB	185, 255, 239
Decimal	13238201
CIELab	94.92, -29.60, 28.05
CIElCh	95, 40.779, 136.542
Yxy	87.4403, 0.3188, 0.4063
Android (android.graphics.Color)	4291428281 (0xFFC9FFB9)
YUV	230.8740, -22.6159, -26.1995
Hunter-Lab	93.5095, -32.6736, 27.9451

Details

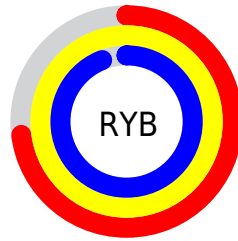
The Yxy color **87.4403, 0.3188, 0.4063** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.2668, 0.3037, 0.2578**, and the grayscale version is **79.9948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **48.1379, 0.3195, 0.4255** is the 20% darker color. If you saturate the color by 10%, you get **83.9083, 0.3202, 0.4391**, and if you desaturate by 10%, it is **91.5216, 0.3168, 0.3757**.

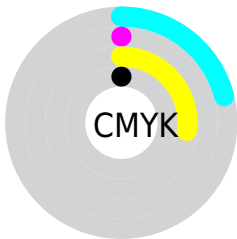
Distribution



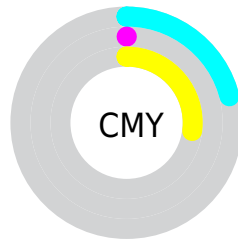
- Red (79%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (94%)



- Cyan (21%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4403, 0.3188, 0.4063 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 87.4403, 0.3188, 0.4063 by changing the saturation by 10% instead.


 87.4403, 0.3188,
0.4063

 87.4403, 0.3188,
0.4063


519.6686, 0.3170,
0.3702

 65.8596, 0.3190,
0.4146

 143.7777, 0.3184,
0.3937

 48.1585, 0.3191,
0.4249


179.3032, 0.3181,
0.3888

 33.9524, 0.3190,
0.4379


220.2458, 0.3179,
0.3846

 22.8570, 0.3185,
0.4548

266.9898, 0.3177,
0.3810

 14.4880, 0.3173,
0.4778

319.9197, 0.3175,
0.3778

 8.4608, 0.3142,
0.5106

379.4199, 0.3173,

 4.3912, 0.3067,

0.3749

0.5599

445.8747, 0.3171,
0.3724

■ 1.8947, 0.3091,
0.6909

■ 0.5452, 0.0000,
1.0000

■ 87.4403, 0.3188,
0.4063

■ 87.4403, 0.3188,
0.4063

■ 83.9083, 0.3202,
0.4391

■ 91.5216, 0.3168,
0.3757

■ 80.8912, 0.3209,
0.4729

■ 96.1633, 0.3145,
0.3478

■ 78.3673, 0.3206,
0.5061

100.0000, 0.3127,
0.3290

■ 76.3093, 0.3192,
0.5365

■ 74.6868, 0.3166,
0.5620

■ 73.4653, 0.3129,
0.5807

■ 72.6036, 0.3087,
0.5918

■ 72.4305, 0.3077,
0.5939

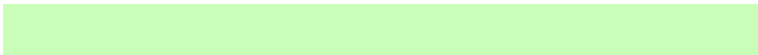
Harmonies

Analogous

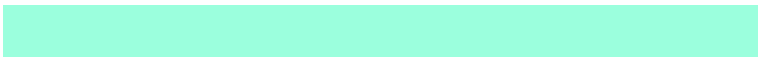
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4403, 0.3631, 0.4113



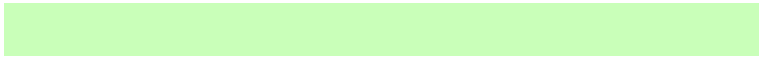
87.4403, 0.3188, 0.4063



87.4403, 0.2748, 0.3749

Triad

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



87.4403, 0.3188, 0.4063



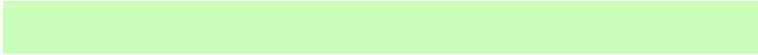
87.4403, 0.2348, 0.2624



87.4403, 0.3874, 0.3220

Complementary

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



87.4403, 0.3188, 0.4063



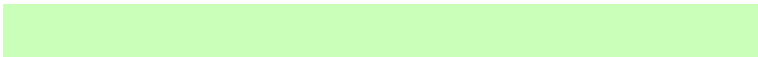
60.2668, 0.3037, 0.2578

Split Complementary

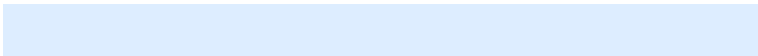
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4403, 0.3483, 0.2885



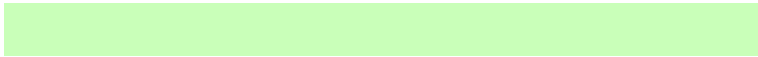
87.4403, 0.3188, 0.4063



87.4403, 0.2603, 0.2549

Square

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



87.4403, 0.3188, 0.4063



87.4403, 0.2285, 0.2882



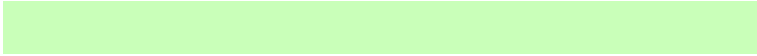
87.4403, 0.3011, 0.2646



87.4403, 0.4049, 0.3590

Rectangle

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



87.4403, 0.3188, 0.4063



87.4403, 0.2514, 0.3450



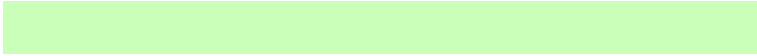
87.4403, 0.3011, 0.2646



87.4403, 0.3762, 0.3101

Sweetspot

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



87.4439, 0.3188, 0.4063



95.8927, 0.3147, 0.3493



86.3015, 0.3584, 0.3829



20.3686, 0.3150, 0.3533



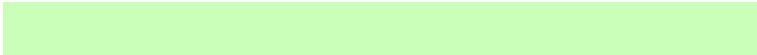
0.0000, 0.0000, 0.0000



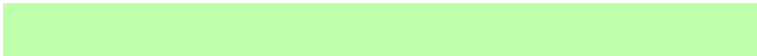
21.4041, 0.3127, 0.3290

Same Dimension

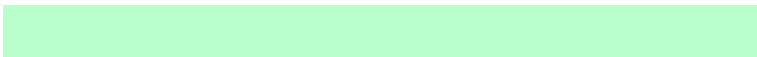
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4439, 0.3188, 0.4063



85.4159, 0.3197, 0.4243



86.1786, 0.2990, 0.3867



20.3686, 0.3150, 0.3533



37.9012, 0.3086, 0.5932



3.7368, 0.3159, 0.5874

Inverse Universe

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



60.2668, 0.3037, 0.2578



54.0775, 0.3013, 0.2429



62.0353, 0.3301, 0.2775



18.0785, 0.3101, 0.3053



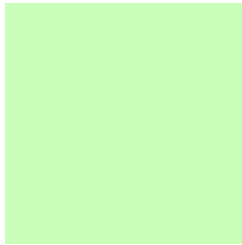
10.0198, 0.2634, 0.1225



1.0242, 0.2703, 0.1263

Previews

White Background



This preview shows how the Yxy color 87.4403, 0.3188, 0.4063 looks on a white background.

Color Contrast Check

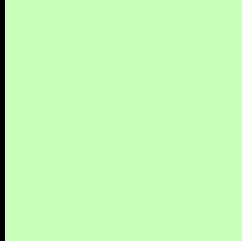
Large Text (above 18pt) WCAG AA × Fail

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 87.4403, 0.3188, 0.4063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

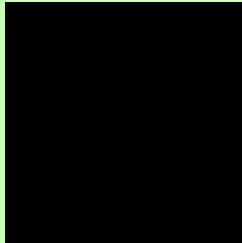
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

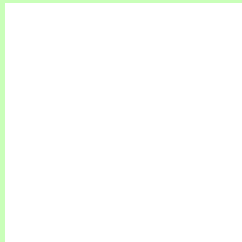
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4403, 0.3188, 0.4063

Background



This preview shows how black text looks on a background with the Yxy color 87.4403, 0.3188, 0.4063.

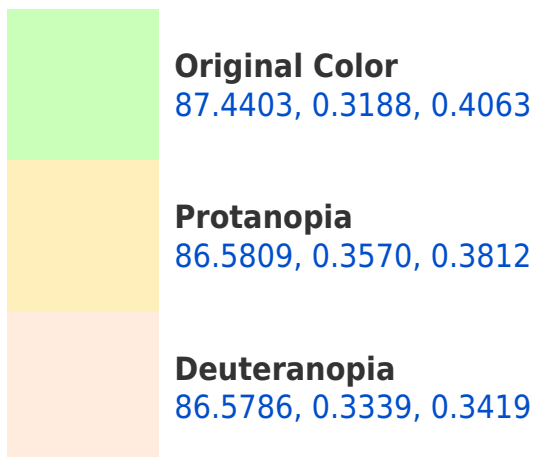


This preview shows how white text looks on a background with the Yxy color 87.4403, 0.3188, 0.4063.

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

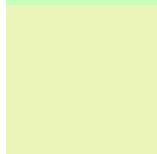
87.1685, 0.2938, 0.3168

Trichromacy



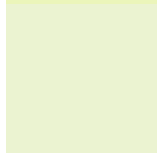
Original Color

87.4403, 0.3188, 0.4063



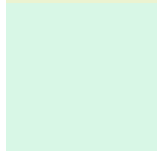
Protanomaly

86.5122, 0.3422, 0.3907



Deuteranomaly

86.3668, 0.3282, 0.3643



Tritanomaly

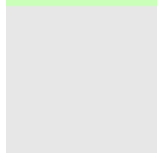
86.8336, 0.3031, 0.3469

Monochromacy



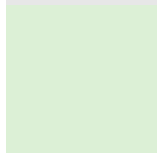
Original Color

87.4403, 0.3188, 0.4063



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3909, 0.3154, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4403, 0.3188, 0.4063 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(201, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 185)  
}
```

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(201, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 185) }
```

Border

The CSS property to change the border of an element to Yxy 87.4403, 0.3188, 0.4063 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(201, 255, 185) }
```

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

```
.border{ border-color:rgb(201, 255, 185) }
```

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

Here you see how a box with a 4 pixel rgb(201, 255, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4403, 0.3188, 0.4063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 185) }
```

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

```
.background{ background-color: rgb(201,  
255, 185) }
```

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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