

Converting Colors

Yxy(81.6810, 0.3169, 0.4043)

Have a look what the booklet for
Yxy(81.6810, 0.3169, 0.4043)
contains.

Yxy(81.9403, 0.3172, 0.4051)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.9403, 0.3172, 0.4051)

Conversions

Conversions Part 1

Format	Color
Hex	C2F8B5
RGB	194, 248, 181
RGB Percent	76%, 97%, 71%
CMY	0.2392, 0.0274, 0.2900
CMYK	0.22, 0.00, 0.27, 0.03
HSL	108°, 83%, 84%
HSV	108°, 27%, 97%
XYZ	64.1606, 81.9403, 56.1709
YIQ	224.2160, -10.6770, -32.2850

Conversions

Conversions Part 2

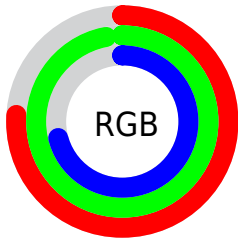
Format	Color
RYB	181, 248, 235
Decimal	12777653
CIELab	92.55, -29.27, 26.75
CIELCh	93, 39.652, 137.577
Yxy	81.9403, 0.3172, 0.4051
Android (android.graphics.Color)	4290967733 (0xFFC2F8B5)
YUV	224.2160, -21.3055, -26.4994
Hunter-Lab	90.5209, -31.8919, 26.5734

Details

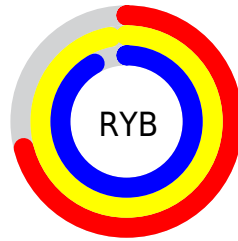
The Yxy color **81.9403, 0.3172, 0.4051** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.5091, 0.3057, 0.2595**, and the grayscale version is **74.8698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1437, 0.3207, 0.3465**, and **44.3091, 0.3168, 0.4232** is the 20% darker color. If you saturate the color by 10%, you get **78.5439, 0.3182, 0.4380**, and if you desaturate by 10%, it is **85.8809, 0.3158, 0.3744**.

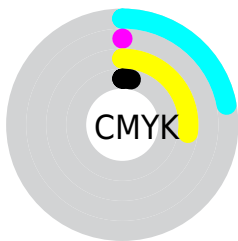
Distribution



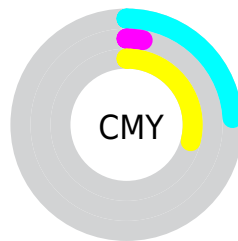
- Red (76%)
- Green (97%)
- Blue (71%)



- Red (71%)
- Yellow (97%)
- Blue (92%)



- Cyan (22%)
- Magenta (0%)
- Yellow (27%)
- Black (3%)




- Cyan (24%)
- Magenta (3%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.9403, 0.3172, 0.4051 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 81.9403, 0.3172, 0.4051 by changing the saturation by 10% instead.

 81.9403, 0.3172,
0.4051

 81.9403, 0.3172,
0.4051


501.4480, 0.3160,
0.3691

 61.3163, 0.3172,
0.4135

 136.0903, 0.3170,
0.3925

 44.4805, 0.3171,
0.4239

170.3851, 0.3169,
0.3876

 31.0484, 0.3168,
0.4372


210.0056, 0.3167,
0.3834

 20.6357, 0.3160,
0.4547

255.3362, 0.3166,
0.3798

 12.8580, 0.3143,
0.4787

306.7614, 0.3164,
0.3766

 7.3308, 0.3105,
0.5134


364.6655, 0.3163,


 3.6699, 0.3015,


0.3738


0.5674


429.4329, 0.3162,
0.3713


 1.4907, 0.2890,
0.7110

 0.2821, 0.0000,
1.0000


 81.9403, 0.3172,
0.4051


 81.9403, 0.3172,
0.4051

 78.5439, 0.3182,
0.4380


 85.8809, 0.3158,
0.3744


 75.6576, 0.3185,
0.4722

 90.3776, 0.3140,
0.3467

 73.2592, 0.3179,
0.5059

 95.4262, 0.3124,
0.3223

 71.3210, 0.3163,
0.5369

 95.6155, 0.3130,
0.3223

■ 69.8122, 0.3138,
0.5628

■ 68.6980, 0.3105,
0.5819

■ 67.9369, 0.3067,
0.5931

■ 67.7646, 0.3057,
0.5955

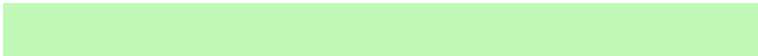
Harmonies

Analogous

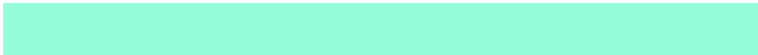
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9403, 0.3615, 0.4111



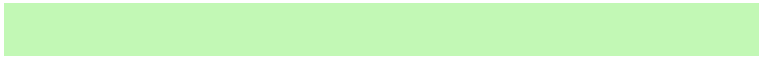
81.9403, 0.3172, 0.4051



81.9403, 0.2737, 0.3731

Triad

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



81.9403, 0.3172, 0.4051



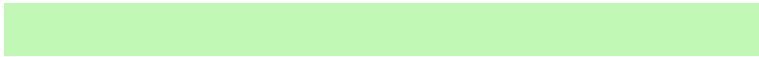
81.9403, 0.2358, 0.2622



81.9403, 0.3880, 0.3233

Complementary

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



81.9403, 0.3172, 0.4051



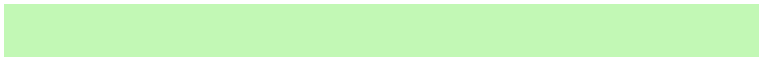
57.5091, 0.3057, 0.2595

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.



81.9403, 0.3496, 0.2898



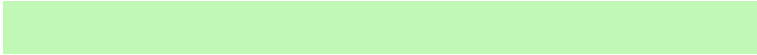
81.9403, 0.3172, 0.4051



81.9403, 0.2618, 0.2554

Square

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



81.9403, 0.3172, 0.4051



81.9403, 0.2289, 0.2873



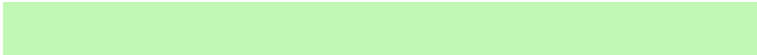
81.9403, 0.3028, 0.2655



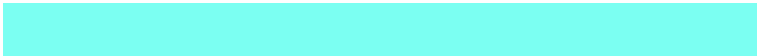
81.9403, 0.4044, 0.3601

Rectangle

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



81.9403, 0.3172, 0.4051



81.9403, 0.2508, 0.3433



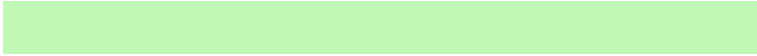
81.9403, 0.3028, 0.2655



81.9403, 0.3771, 0.3114

Sweetspot

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



81.9438, 0.3172, 0.4051



95.7677, 0.3142, 0.3493



82.4874, 0.3569, 0.3841



20.3374, 0.3145, 0.3534



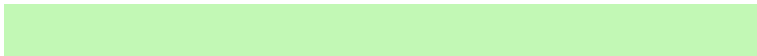
0.0000, 0.0000, 0.0000



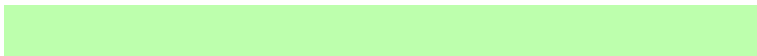
21.4041, 0.3127, 0.3290

Same Dimension

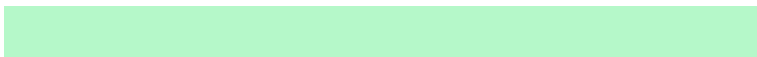
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9438, 0.3172, 0.4051



85.3976, 0.3178, 0.4215



81.1872, 0.2980, 0.3829



19.4710, 0.3145, 0.3533



36.6512, 0.3064, 0.5949



3.4360, 0.3136, 0.5892

Inverse Universe

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



57.5091, 0.3057, 0.2595



55.6457, 0.3040, 0.2461



58.6173, 0.3315, 0.2807



17.3448, 0.3107, 0.3054



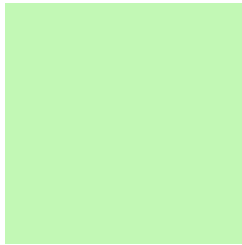
10.3513, 0.2723, 0.1273



1.0007, 0.2784, 0.1307

Previews

White Background



This preview shows how the Yxy color 81.9403, 0.3172, 0.4051 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 81.9403, 0.3172, 0.4051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

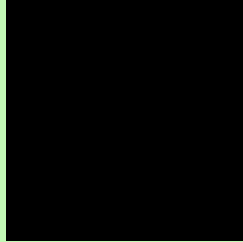
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.9403, 0.3172, 0.4051

Background



This preview shows how black text looks on a background with the Yxy color 81.9403, 0.3172, 0.4051.

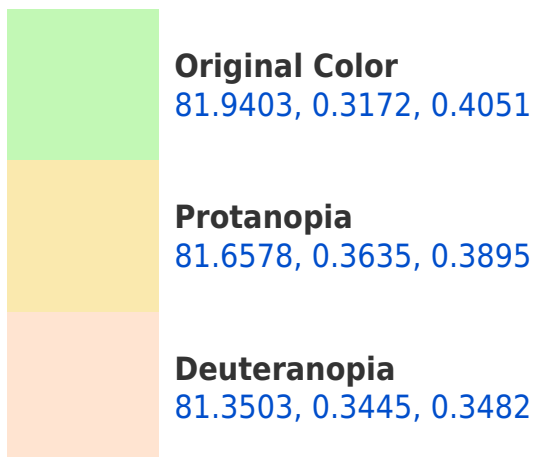


This preview shows how white text looks on a background with the Yxy color 81.9403, 0.3172, 0.4051.

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

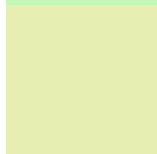
81.9244, 0.2845, 0.3111

Trichromacy



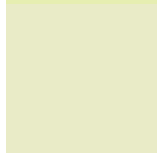
Original Color

81.9403, 0.3172, 0.4051



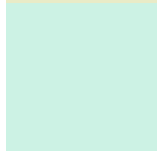
Protanomaly

81.1464, 0.3457, 0.3943



Deuteranomaly

80.8638, 0.3343, 0.3672



Tritanomaly

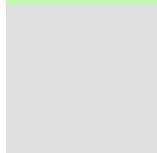
81.9431, 0.2968, 0.3442

Monochromacy



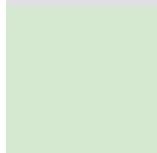
Original Color

81.9403, 0.3172, 0.4051



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

76.9780, 0.3148, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9403, 0.3172, 0.4051 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(194, 248, 181)` looks like.

```
.text, #text, p{  
    color:rgb(194, 248, 181)  
}
```

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(194, 248, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 248, 181) }
```

Border

The CSS property to change the border of an element to Yxy 81.9403, 0.3172, 0.4051 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(194, 248, 181) }
```

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

```
.border{ border-color:rgb(194, 248, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 248, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 248, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 248, 181);  
box-shadow:4px 4px 4px 4px rgb(194, 248,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9403, 0.3172, 0.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 248, 181) }
```

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

```
.background{ background-color: rgb(194,  
248, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor