

Converting Colors

$Yxy(81.2339, 0.3002, 0.3902)$

Have a look what the booklet for
Yxy(81.2339, 0.3002, 0.3902)
contains.

Yxy(81.4402, 0.3002, 0.3901)	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(81.4402, 0.3002, 0.3901)

Conversions

Conversions Part 1

Format	Color
Hex	B4F9C4
RGB	180, 249, 196
RGB Percent	71%, 98%, 77%
CMY	0.2939, 0.0236, 0.2313
CMYK	0.28, 0.00, 0.21, 0.02
HSL	134°, 85%, 84%
HSV	134°, 28%, 98%
XYZ	62.6720, 81.4402, 64.6553
YIQ	222.3270, -24.1110, -31.1110

Conversions

Conversions Part 2

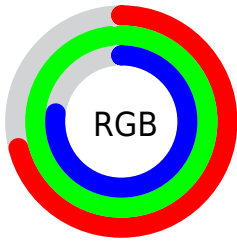
Format	Color
RYB	180, 236, 249
Decimal	11860420
CIELab	92.33, -31.73, 18.67
CIElCh	92, 36.818, 149.535
Yxy	81.4402, 0.3002, 0.3901
Android (android.graphics.Color)	4290050500 (0xFFB4F9C4)
YUV	222.3270, -12.9792, -37.1208
Hunter-Lab	90.2442, -33.9643, 20.6928

Details

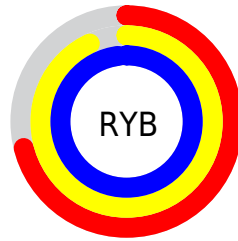
The Yxy color **81.4402, 0.3002, 0.3901** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.6845, 0.3283, 0.2748**, and the grayscale version is **73.4059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6164, 0.3028, 0.3309**, and **44.0122, 0.2964, 0.4053** is the 20% darker color. If you saturate the color by 10%, you get **77.9014, 0.2961, 0.4168**, and if you desaturate by 10%, it is **85.6338, 0.3046, 0.3658**.

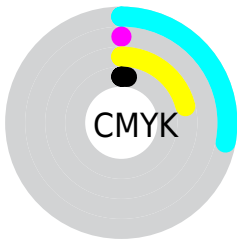
Distribution



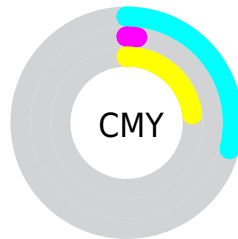
- Red (71%)
- Green (98%)
- Blue (77%)



- Red (71%)
- Yellow (93%)
- Blue (98%)



- Cyan (28%)
- Magenta (0%)
- Yellow (21%)
- Black (2%)





- Cyan (29%)
- Magenta (2%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4402, 0.3002, 0.3901 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 81.4402, 0.3002, 0.3901 by changing the saturation by 10% instead.

 81.4402, 0.3002,
0.3901

 81.4402, 0.3002,
0.3901


499.7733, 0.3065,
0.3612

 60.9042, 0.2986,
0.3968

 135.3887, 0.3025,
0.3800

 44.1479, 0.2967,
0.4053


169.5700, 0.3033,
0.3760

 30.7868, 0.2941,
0.4160


209.0685, 0.3041,
0.3727

 20.4365, 0.2905,
0.4303

254.2686, 0.3047,
0.3698

 12.7128, 0.2853,
0.4500

305.5548, 0.3052,
0.3672

 7.2311, 0.2773,
0.4790


363.3113, 0.3057,


 3.6070, 0.2633,


0.3650

0.5254


427.9227, 0.3061,
0.3630


 1.4563, 0.2419,
0.6743


 0.2576, 0.0000,
1.0000


 81.4402, 0.3002,
0.3901

 81.4402, 0.3002,
0.3901

 77.9014, 0.2961,
0.4168


 85.6338, 0.3046,
0.3658

 74.9741, 0.2926,
0.4453

 90.5023, 0.3092,
0.3440

 72.6259, 0.2901,
0.4748

 96.0779, 0.3138,
0.3248

 70.8172, 0.2887,
0.5039

 96.2279, 0.3130,
0.3233

■ 69.5033, 0.2888,
0.5311

■ 68.6317, 0.2903,
0.5546

■ 68.1342, 0.2930,
0.5733

■ 68.0504, 0.2936,
0.5769

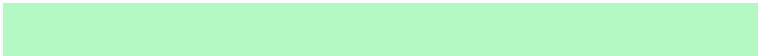
Harmonies

Analogous

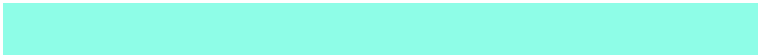
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4402, 0.3426, 0.4060



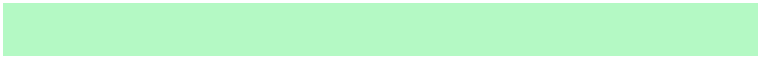
81.4402, 0.3002, 0.3901



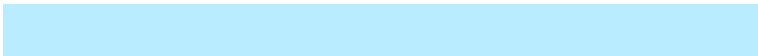
81.4402, 0.2628, 0.3538

Triad

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



81.4402, 0.3002, 0.3901



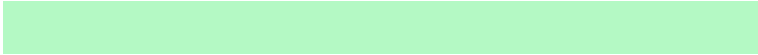
81.4402, 0.2486, 0.2620



81.4402, 0.3917, 0.3377

Complementary

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



81.4402, 0.3002, 0.3901



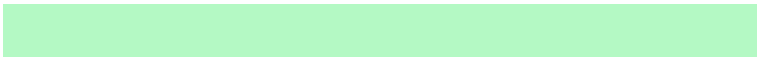
58.6845, 0.3283, 0.2748

Split Complementary

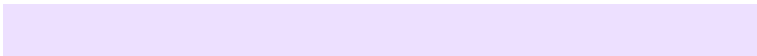
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.4402, 0.3630, 0.3042



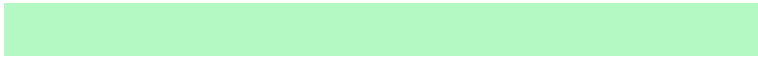
81.4402, 0.3002, 0.3901



81.4402, 0.2792, 0.2620

Square

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



81.4402, 0.3002, 0.3901



81.4402, 0.2346, 0.2790



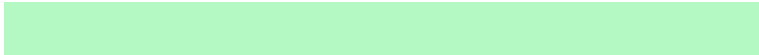
81.4402, 0.3210, 0.2773



81.4402, 0.3972, 0.3715

Rectangle

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



81.4402, 0.3002, 0.3901



81.4402, 0.2454, 0.3255



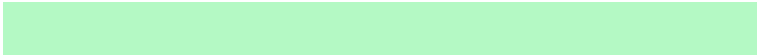
81.4402, 0.3210, 0.2773



81.4402, 0.3844, 0.3262

Sweetspot

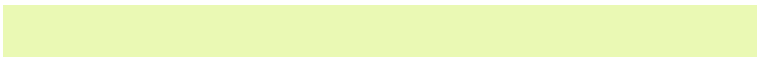
The Sweet Spot groups the original color and five complimentary colors.



81.4436, 0.3002, 0.3901



95.3655, 0.3091, 0.3447



88.5470, 0.3443, 0.4008



20.2371, 0.3084, 0.3478



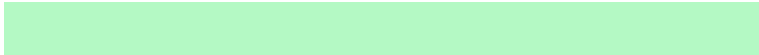
0.0000, 0.0000, 0.0000



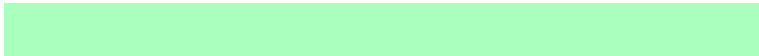
21.4041, 0.3127, 0.3290

Same Dimension

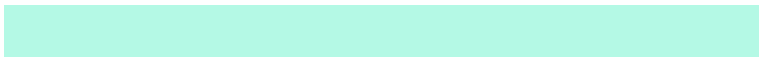
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4436, 0.3002, 0.3901



83.8942, 0.2980, 0.4041



83.1397, 0.2823, 0.3507



19.3751, 0.3084, 0.3477



36.4461, 0.2929, 0.5745



3.3911, 0.2869, 0.5528

Inverse Universe

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



58.6845, 0.3283, 0.2748



56.3562, 0.3321, 0.2642



56.9510, 0.3562, 0.3084



17.4517, 0.3174, 0.3110



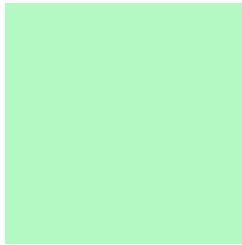
12.8238, 0.3900, 0.1922



1.2038, 0.3800, 0.1867

Previews

White Background



This preview shows how the Yxy color 81.4402, 0.3002, 0.3901 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 81.4402, 0.3002, 0.3901 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 81.4402, 0.3002, 0.3901

Background



This preview shows how black text looks on a background with the Yxy color 81.4402, 0.3002, 0.3901.

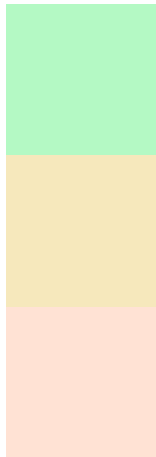


This preview shows how white text looks on a background with the Yxy color 81.4402, 0.3002, 0.3901.

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

81.4402, 0.3002, 0.3901

Protanopia

80.9369, 0.3515, 0.3746

Deuteranopia

80.4062, 0.3428, 0.3432



Tritanopia

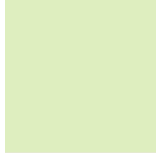
81.2324, 0.2793, 0.3119

Trichromacy



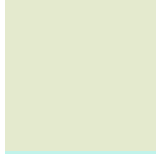
Original Color

81.4402, 0.3002, 0.3901



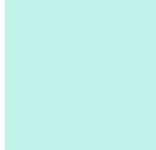
Protanomaly

80.4403, 0.3312, 0.3800



Deuteranomaly

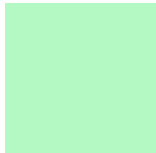
79.7958, 0.3264, 0.3589



Tritanomaly

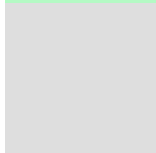
81.3792, 0.2868, 0.3388

Monochromacy



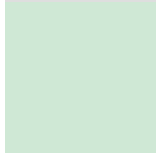
Original Color

81.4402, 0.3002, 0.3901



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.7827, 0.3077, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4402, 0.3002, 0.3901 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(180, 249, 196)` looks like.

```
.text, #text, p{  
    color:rgb(180, 249, 196)  
}
```

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(180, 249, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 249, 196) }
```

Border

The CSS property to change the border of an element to Yxy 81.4402, 0.3002, 0.3901 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(180, 249, 196) }
```

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

```
.border{ border-color:rgb(180, 249, 196) }
```

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

Here you see how a box with a 4 pixel rgb(180, 249, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 249, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 249, 196);  
box-shadow:4px 4px 4px 4px rgb(180, 249,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4402, 0.3002, 0.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 249, 196) }
```

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

```
.background{ background-color: rgb(180,  
249, 196) }
```

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