

# Converting Colors

Yxy(82.5146, 0.3341, 0.4012)

Have a look what the booklet for  
Yxy(82.5146, 0.3341, 0.4012)  
contains.

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# Color

**Yxy(82.5146, 0.3341, 0.4012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8F4B2
RGB	216, 244, 178
RGB Percent	85%, 96%, 70%
CMY	0.1528, 0.0432, 0.3018
CMYK	0.11, 0.00, 0.27, 0.04
HSL	85°, 75%, 83%
HSV	85°, 27%, 96%
XYZ	68.7142, 82.5146, 54.4407
YIQ	228.1040, 4.4980, -26.4620

# Conversions

## Conversions Part 2

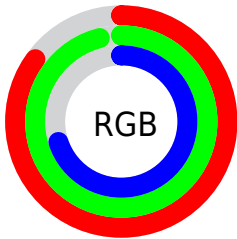
Format	Color
<a href="#">RYB</a>	<a href="#">178, 244, 206</a>
Decimal	<a href="#">14218418</a>
CIELab	<a href="#">92.80, -20.22, 28.85</a>
CIELCh	<a href="#">93, 35.230, 125.026</a>
Yxy	<a href="#">82.5146, 0.3341, 0.4012</a>
Android (android.graphics.Color)	<a href="#">4292408498 (0xFFD8F4B2)</a>
YUV	<a href="#">228.1040, -24.7013, -10.6152</a>
Hunter-Lab	<a href="#">90.8375, -23.9392, 28.0526</a>

# Details

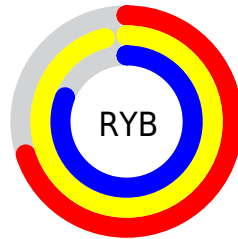
The Yxy color **82.5146, 0.3341, 0.4012** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.5069, 0.2861, 0.2554**, and the grayscale version is **77.8519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **45.0242, 0.3382, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **80.0967, 0.3412, 0.4303**, and if you desaturate by 10%, it is **85.2132, 0.3263, 0.3731**.

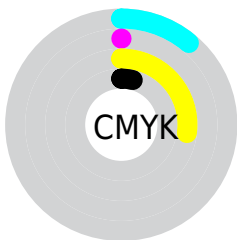
# Distribution



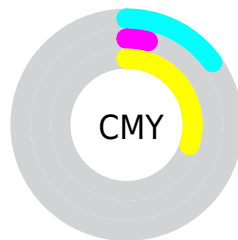
- Red (85%)
- Green (96%)
- Blue (70%)



- Red (70%)
- Yellow (96%)
- Blue (81%)



- Cyan (11%)
- Magenta (0%)
- Yellow (27%)
- Black (4%)




- Cyan (15%)
- Magenta (4%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5146, 0.3341, 0.4012 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 82.5146, 0.3341, 0.4012 by changing the saturation by 10% instead.





 82.5146, 0.3341,  
0.4012

 82.5146, 0.3341,  
0.4012

503.3674, 0.3251,  
0.3675

 61.7898, 0.3359,  
0.4089


 136.8954, 0.3312,  
0.3895

 44.8629, 0.3380,  
0.4185


171.3202, 0.3300,  
0.3849

 31.3494, 0.3404,  
0.4305


211.0805, 0.3290,  
0.3810

 20.8651, 0.3432,  
0.4462

256.5606, 0.3280,  
0.3776

 13.0254, 0.3462,  
0.4674

308.1449, 0.3272,  
0.3746

 7.4460, 0.3490,  
0.4973


366.2179, 0.3264,


 3.7426, 0.3507,


0.3720


0.5431


431.1639, 0.3258,  
0.3696


 1.5306, 0.3580,  
0.6420

 0.3101, 0.0000,  
1.0000


 82.5146, 0.3341,  
0.4012


 82.5146, 0.3341,  
0.4012


 80.0967, 0.3412,  
0.4303

 85.2132, 0.3263,  
0.3731


 77.9377, 0.3473,  
0.4594

 88.1921, 0.3183,  
0.3465

 76.0293, 0.3518,  
0.4873

 91.4645, 0.3104,  
0.3219

 74.3583, 0.3544,  
0.5125

 93.1791, 0.3132,  
0.3185

■ 72.9100, 0.3546,  
0.5337

■ 71.6676, 0.3523,  
0.5498

■ 70.6097, 0.3479,  
0.5606

■ 70.3223, 0.3464,  
0.5631

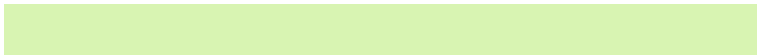
# Harmonies

## Analogous

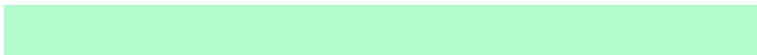
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5146, 0.3702, 0.3973



82.5146, 0.3341, 0.4012



82.5146, 0.2937, 0.3818

# Triad

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



82.5146, 0.3341, 0.4012



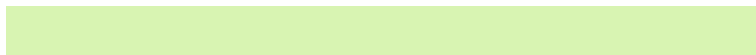
82.5146, 0.2392, 0.2772



82.5146, 0.3670, 0.3109

# Complementary

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



82.5146, 0.3341, 0.4012



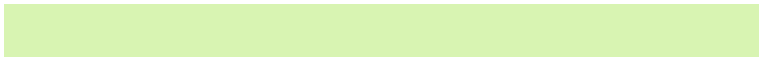
51.5069, 0.2861, 0.2554

# Split Complementary

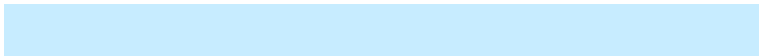
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5146, 0.3284, 0.2835



82.5146, 0.3341, 0.4012



82.5146, 0.2557, 0.2638

# Square

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



82.5146, 0.3341, 0.4012



82.5146, 0.2406, 0.3062



82.5146, 0.2876, 0.2666

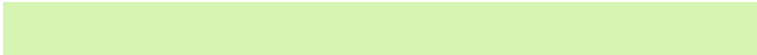


82.5146, 0.3907, 0.3436

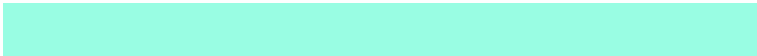


# Rectangle

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



82.5146, 0.3341, 0.4012



82.5146, 0.2698, 0.3585



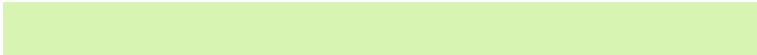
82.5146, 0.2876, 0.2666



82.5146, 0.3552, 0.3009

# Sweetspot

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



82.5182, 0.3341, 0.4012



97.1514, 0.3191, 0.3490



66.3587, 0.3637, 0.3586



20.6847, 0.3203, 0.3529



0.0000, 0.0000, 0.0000

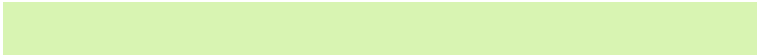


21.4041, 0.3127, 0.3290

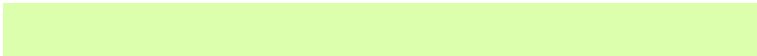


# Same Dimension

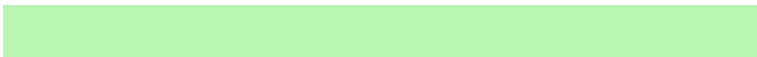
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5182, 0.3341, 0.4012



89.8314, 0.3378, 0.4158



78.0471, 0.3125, 0.4062



18.9433, 0.3203, 0.3528



38.3209, 0.3475, 0.5623



3.4285, 0.3562, 0.5554



# Inverse Universe

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



51.5069, 0.2861, 0.2554



50.6701, 0.2800, 0.2401



56.6489, 0.3115, 0.2607



16.2701, 0.3046, 0.3050



5.2105, 0.1884, 0.0811

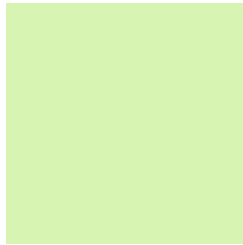


0.5171, 0.2023, 0.0888



# Previews

## White Background



This preview shows how the Yxy color 82.5146, 0.3341, 0.4012 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 82.5146, 0.3341, 0.4012 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

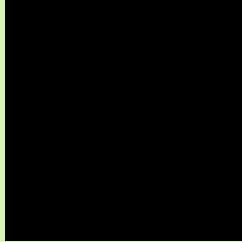
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

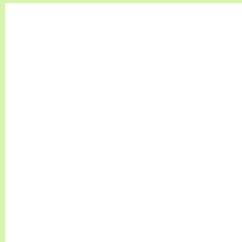
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.5146, 0.3341, 0.4012**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.5146, 0.3341, 0.4012.

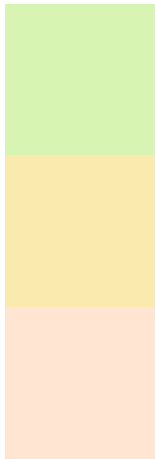


This preview shows how white text looks on a background with the Yxy color 82.5146, 0.3341, 0.4012.

# 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

82.5146, 0.3341, 0.4012

### Protanopia

82.3720, 0.3646, 0.3913

### Deuteranopia

81.9518, 0.3437, 0.3482



## Tritanopia

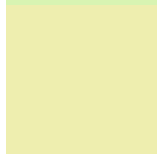
82.2684, 0.2966, 0.3096

# Trichromacy



## Original Color

82.5146, 0.3341, 0.4012



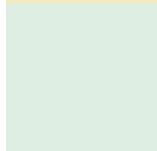
## Protanomaly

82.4214, 0.3527, 0.3952



## Deuteranomaly

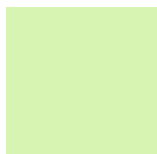
81.6236, 0.3408, 0.3665



## Tritanomaly

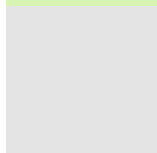
82.3280, 0.3101, 0.3417

# Monochromacy



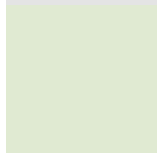
## Original Color

82.5146, 0.3341, 0.4012



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

79.3461, 0.3210, 0.3548

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.5146, 0.3341, 0.4012 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(216, 244, 178)` looks like.

```
.text, #text, p{  
    color:rgb(216, 244, 178)  
}
```

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(216, 244, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 244, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 82.5146, 0.3341, 0.4012 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(216, 244, 178) }
```

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

```
.border{ border-color:rgb(216, 244, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 244, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 244, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 244, 178);  
box-shadow:4px 4px 4px 4px rgb(216, 244,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.5146, 0.3341, 0.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 244, 178) }
```

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

```
.background{ background-color: rgb(216,  
244, 178) }
```

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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