

# Converting Colors

$Yxy(82.4141, 0.3456, 0.4065)$

Have a look what the booklet for  
Yxy(82.4141, 0.3456, 0.4065)  
contains.

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# Color

**Yxy(82.4141, 0.3456, 0.4065)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1F2AA
RGB	225, 242, 170
RGB Percent	88%, 95%, 67%
CMY	0.1175, 0.0510, 0.3332
CMYK	0.07, 0.00, 0.30, 0.05
HSL	74°, 73%, 81%
HSV	74°, 30%, 95%
XYZ	70.0672, 82.4141, 50.2594
YIQ	228.7090, 12.9800, -25.9960

# Conversions

## Conversions Part 2

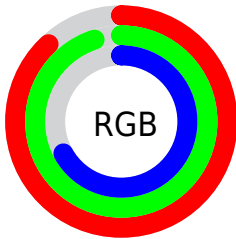
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 242, 187
Decimal	14807722
CIELab	92.76, -17.10, 32.95
CIELCh	93, 37.121, 117.436
Yxy	82.4141, 0.3456, 0.4065
Android (android.graphics.Color)	4292997802 (0xFFE1F2AA)
YUV	228.7090, -28.9435, -3.2528
Hunter-Lab	90.7822, -21.0997, 30.7230

# Details

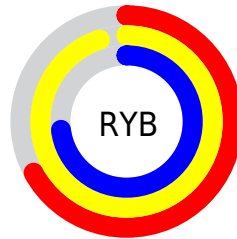
The Yxy color **82.4141, 0.3456, 0.4065** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **45.7373, 0.2725, 0.2449**, and the grayscale version is **78.3457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **44.8372, 0.3520, 0.4250** is the 20% darker color. If you saturate the color by 10%, you get **80.6822, 0.3559, 0.4335**, and if you desaturate by 10%, it is **84.3525, 0.3347, 0.3795**.

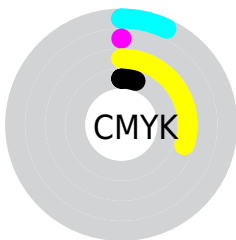
# Distribution



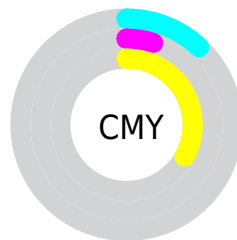
- Red (88%)
- Green (95%)
- Blue (67%)



- Red (67%)
- Yellow (95%)
- Blue (73%)



- Cyan (7%)
- Magenta (0%)
- Yellow (30%)
- Black (5%)




- Cyan (12%)
- Magenta (5%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4141, 0.3456, 0.4065 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 82.4141, 0.3456, 0.4065 by changing the saturation by 10% instead.




 82.4141, 0.3456,  
0.4065

 82.4141, 0.3456,  
0.4065


503.0318, 0.3315,  
0.3706

 61.7069, 0.3485,  
0.4147


 136.7546, 0.3410,  
0.3941

 44.7959, 0.3519,  
0.4247


171.1566, 0.3391,  
0.3892

 31.2967, 0.3559,  
0.4373

210.8925, 0.3374,  
0.3850

 20.8249, 0.3606,  
0.4535

256.3464, 0.3360,  
0.3814

 12.9961, 0.3661,  
0.4750

307.9030, 0.3347,  
0.3782

 7.4258, 0.3718,  
0.5046


365.9464, 0.3335,


 3.7298, 0.3808,


0.3753


0.5539


430.8613, 0.3325,  
0.3728


 1.5236, 0.3784,  
0.6216


 0.3053, 0.0000,  
1.0000


 82.4141, 0.3456,  
0.4065


 82.4141, 0.3456,  
0.4065


 80.6822, 0.3559,  
0.4335


 84.3525, 0.3347,  
0.3795


 79.1364, 0.3649,  
0.4594


 86.4954, 0.3235,  
0.3533


 77.7698, 0.3722,  
0.4832


 88.8546, 0.3124,  
0.3284

 76.5708, 0.3773,  
0.5036


 90.6524, 0.3087,  
0.3164

 75.5262, 0.3799,  
0.5198

 91.7107, 0.3124,  
0.3165

 74.6203, 0.3798,  
0.5312

 91.9826, 0.3133,  
0.3165

 73.8277, 0.3776,  
0.5383

 73.8077, 0.3775,  
0.5385

# Harmonies

## Analogous

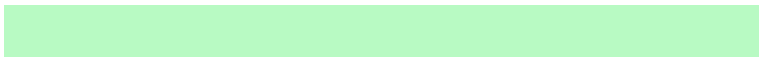
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4141, 0.3808, 0.3964



82.4141, 0.3456, 0.4065



82.4141, 0.3031, 0.3923

# Triad

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



82.4141, 0.3456, 0.4065



82.4141, 0.2340, 0.2806



82.4141, 0.3606, 0.3019

# Complementary

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



82.4141, 0.3456, 0.4065



45.7373, 0.2725, 0.2449

# Split Complementary

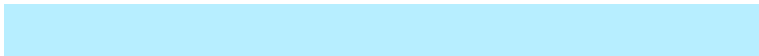
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.4141, 0.3179, 0.2756



82.4141, 0.3456, 0.4065



82.4141, 0.2467, 0.2624

# Square

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



82.4141, 0.3456, 0.4065



82.4141, 0.2403, 0.3146



82.4141, 0.2765, 0.2612

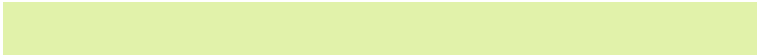


82.4141, 0.3907, 0.3353

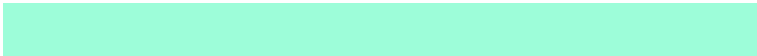


# Rectangle

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



82.4141, 0.3456, 0.4065



82.4141, 0.2765, 0.3703



82.4141, 0.2765, 0.2612



82.4141, 0.3471, 0.2921

# Sweetspot

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



82.4178, 0.3456, 0.4065



97.5969, 0.3227, 0.3514



57.2462, 0.3741, 0.3476



20.8106, 0.3243, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

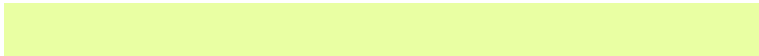


# Same Dimension

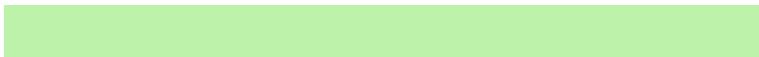
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4178, 0.3456, 0.4065



91.5542, 0.3522, 0.4237



77.2534, 0.3210, 0.4129



18.2603, 0.3232, 0.3526



39.7167, 0.3782, 0.5379



3.3488, 0.3839, 0.5334



# Inverse Universe

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



45.7373, 0.2725, 0.2449



43.7810, 0.2619, 0.2242



50.8293, 0.3006, 0.2514



15.4086, 0.3016, 0.3048



3.9640, 0.1631, 0.0672

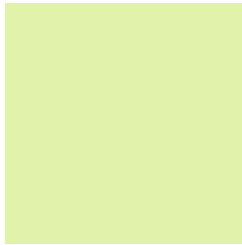


0.3738, 0.1758, 0.0742



# Previews

## White Background



This preview shows how the Yxy color 82.4141, 0.3456, 0.4065 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

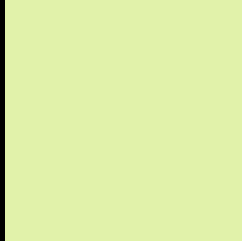
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.4141, 0.3456, 0.4065 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

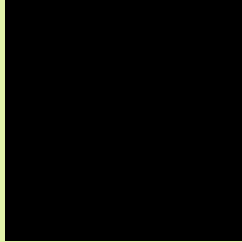
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

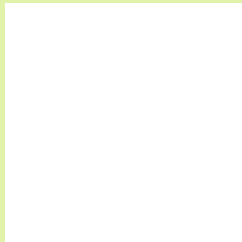
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.4141, 0.3456, 0.4065**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.4141, 0.3456, 0.4065.

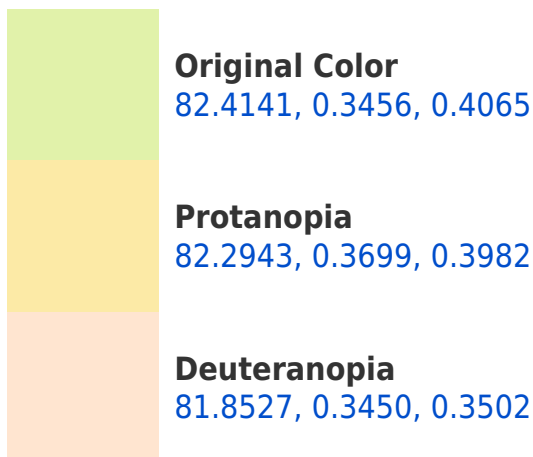


This preview shows how white text looks on a background with the Yxy color 82.4141, 0.3456, 0.4065.

# 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

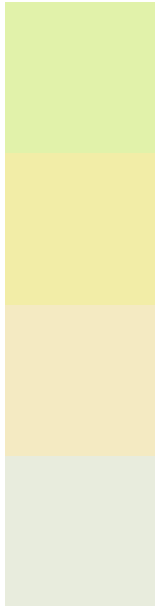




## Tritanopia

82.4482, 0.3043, 0.3108

# Trichromacy



## Original Color

82.4141, 0.3456, 0.4065

## Protanomaly

82.2356, 0.3610, 0.4018

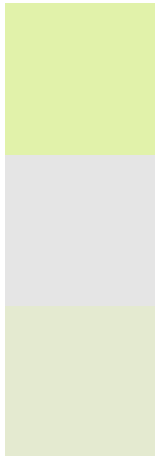
## Deuteranomaly

81.9738, 0.3456, 0.3705

## Tritanomaly

82.3672, 0.3194, 0.3447

# Monochromacy



## Original Color

82.4141, 0.3456, 0.4065

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

79.8937, 0.3251, 0.3567

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.4141, 0.3456, 0.4065 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(225, 242, 170)` looks like.

```
.text, #text, p{  
    color:rgb(225, 242, 170)  
}
```

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(225, 242, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 242, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4141, 0.3456, 0.4065 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(225, 242, 170) }
```

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

```
.border{ border-color:rgb(225, 242, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 242, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 242, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 242, 170);  
box-shadow:4px 4px 4px 4px rgb(225, 242,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.4141, 0.3456, 0.4065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 242, 170) }
```

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

```
.background{ background-color: rgb(225,  
242, 170) }
```

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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