

# Converting Colors

Yxy(84.8666, 0.3439, 0.4094)

Have a look what the booklet for  
Yxy(84.8666, 0.3439, 0.4094)  
contains.

<b>Yxy(84.8594, 0.3441, 0.4092)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(84.8594, 0.3441, 0.4092)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1F6AB
RGB	225, 246, 171
RGB Percent	88%, 96%, 67%
CMY	0.1177, 0.0353, 0.3293
CMYK	0.09, 0.00, 0.30, 0.04
HSL	77°, 81%, 82%
HSV	77°, 30%, 96%
XYZ	71.3590, 84.8594, 51.1603
YIQ	231.1710, 11.5590, -27.7770

# Conversions

## Conversions Part 2

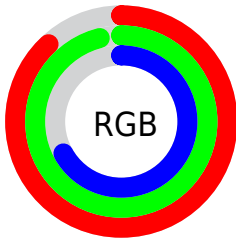
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 246, 192
Decimal	14808747
CIELab	93.82, -18.94, 33.86
CIELCh	94, 38.799, 119.213
Yxy	84.8594, 0.3441, 0.4092
Android (android.graphics.Color)	4292998827 (0xFFE1F6AB)
YUV	231.1710, -29.6643, -5.4120
Hunter-Lab	92.1192, -22.9356, 31.5554

# Details

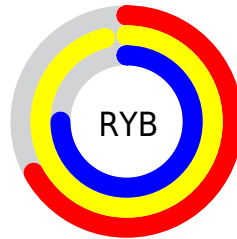
The Yxy color **84.8594, 0.3441, 0.4092** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **47.0028, 0.2738, 0.2430**, and the grayscale version is **80.2672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **46.5699, 0.3499, 0.4283** is the 20% darker color. If you saturate the color by 10%, you get **82.9248, 0.3535, 0.4367**, and if you desaturate by 10%, it is **87.0208, 0.3340, 0.3818**.

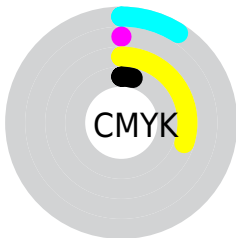
# Distribution



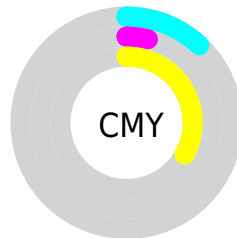
- Red (88%)
- Green (96%)
- Blue (67%)



- Red (67%)
- Yellow (96%)
- Blue (75%)



- Cyan (9%)
- Magenta (0%)
- Yellow (30%)
- Black (4%)




- Cyan (12%)
- Magenta (4%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8594, 0.3441, 0.4092 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 84.8594, 0.3441, 0.4092 by changing the saturation by 10% instead.





 84.8594, 0.3441,  
0.4092

 84.8594, 0.3441,  
0.4092


511.1627, 0.3309,  
0.3721

 63.7252, 0.3468,  
0.4176


 140.1767, 0.3398,  
0.3964

 46.4282, 0.3499,  
0.4279


175.1286, 0.3380,  
0.3914

 32.5838, 0.3535,  
0.4408


215.4553, 0.3365,  
0.3871

 21.8078, 0.3577,  
0.4574

261.5410, 0.3351,  
0.3833

 13.7158, 0.3624,  
0.4794

313.7702, 0.3339,  
0.3800

 7.9232, 0.3671,  
0.5095


372.5273, 0.3328,


 4.0459, 0.3731,


0.3771


0.5574


438.1967, 0.3318,  
0.3744

 1.6993, 0.3708,  
0.6292


 0.4232, 0.0000,  
1.0000


 84.8594, 0.3441,  
0.4092

 84.8594, 0.3441,  
0.4092

 82.9248, 0.3535,  
0.4367


 87.0208, 0.3340,  
0.3818


 81.1956, 0.3616,  
0.4633

 89.4073, 0.3236,  
0.3553

 79.6643, 0.3680,  
0.4877

 92.0314, 0.3132,  
0.3302

 78.3184, 0.3721,  
0.5088

 93.9367, 0.3116,  
0.3204

■ 77.1439, 0.3737,  
0.5255

■ 94.3947, 0.3131,  
0.3204

■ 76.1239, 0.3727,  
0.5374

■ 75.2704, 0.3698,  
0.5446

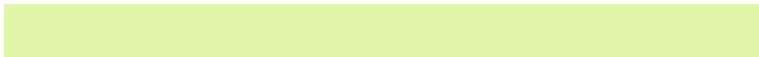
# Harmonies

## Analogous

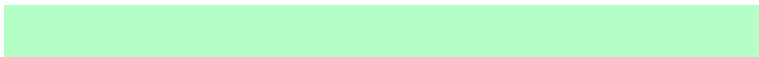
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8594, 0.3813, 0.3998



84.8594, 0.3441, 0.4092



84.8594, 0.3001, 0.3930

# Triad

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



84.8594, 0.3441, 0.4092



84.8594, 0.2317, 0.2773



84.8594, 0.3646, 0.3029

# Complementary

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



84.8594, 0.3441, 0.4092



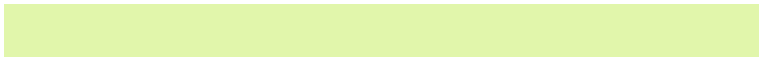
47.0028, 0.2738, 0.2430

# Split Complementary

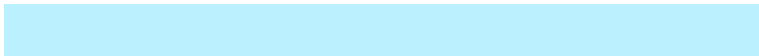
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8594, 0.3208, 0.2752



84.8594, 0.3441, 0.4092



84.8594, 0.2459, 0.2596

# Square

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



84.8594, 0.3441, 0.4092



84.8594, 0.2370, 0.3115



84.8594, 0.2775, 0.2595

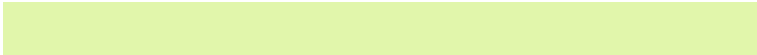


84.8594, 0.3946, 0.3375

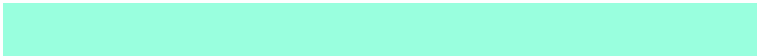


# Rectangle

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



84.8594, 0.3441, 0.4092



84.8594, 0.2729, 0.3694



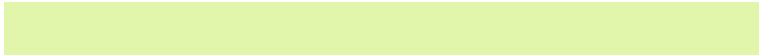
84.8594, 0.2775, 0.2595



84.8594, 0.3508, 0.2926

# Sweetspot

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



84.8632, 0.3441, 0.4092



97.4097, 0.3220, 0.3515



59.8070, 0.3753, 0.3507



20.7643, 0.3236, 0.3552



0.0000, 0.0000, 0.0000

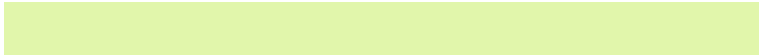


21.4041, 0.3127, 0.3290

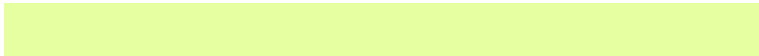


# Same Dimension

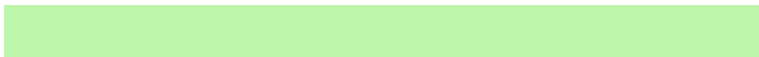
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8632, 0.3441, 0.4092



90.6670, 0.3504, 0.4274



79.6142, 0.3195, 0.4158



19.0666, 0.3225, 0.3527



40.2485, 0.3706, 0.5440



3.5889, 0.3769, 0.5389



# Inverse Universe

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



47.0028, 0.2738, 0.2430



43.1634, 0.2633, 0.2217



52.3690, 0.3022, 0.2497



16.1515, 0.3023, 0.3048



4.2859, 0.1678, 0.0698

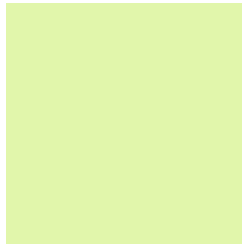


0.4262, 0.1805, 0.0768



# Previews

## White Background



This preview shows how the Yxy color 84.8594, 0.3441, 0.4092 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

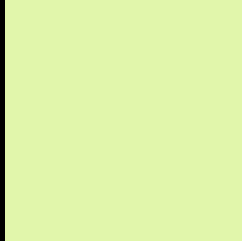
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8594, 0.3441, 0.4092 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

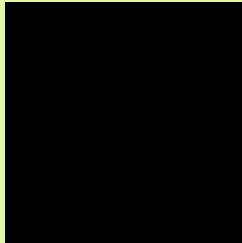
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

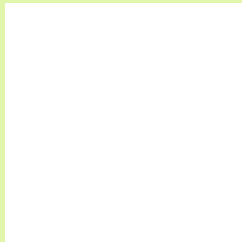
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.8594, 0.3441, 0.4092**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8594, 0.3441, 0.4092.

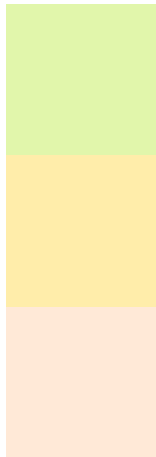


This preview shows how white text looks on a background with the Yxy color 84.8594, 0.3441, 0.4092.

# 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

84.8594, 0.3441, 0.4092

### Protanopia

84.7307, 0.3686, 0.3964

### Deuteranopia

84.4441, 0.3397, 0.3470



## Tritanopia

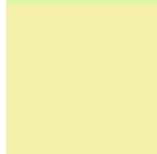
84.4053, 0.3018, 0.3099

# Trichromacy



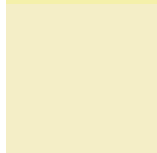
## Original Color

84.8594, 0.3441, 0.4092



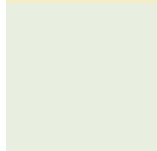
## Protanomaly

84.4556, 0.3597, 0.4012



## Deuteranomaly

84.5057, 0.3416, 0.3691



## Tritanomaly

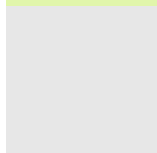
84.2706, 0.3173, 0.3446

# Monochromacy



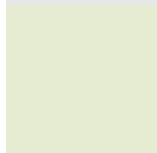
## Original Color

84.8594, 0.3441, 0.4092



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

81.2524, 0.3249, 0.3577

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8594, 0.3441, 0.4092 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, 246, 171)` looks like.

```
.text, #text, p{  
    color:rgb(225, 246, 171)  
}
```

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, 246, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 246, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8594, 0.3441, 0.4092 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, 246, 171) }
```

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

```
.border{ border-color:rgb(225, 246, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 246, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 246, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 246, 171);  
box-shadow:4px 4px 4px 4px rgb(225, 246,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8594, 0.3441, 0.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 246, 171) }
```

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

```
.background{ background-color: rgb(225,  
246, 171) }
```

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