

# Converting Colors

Yxy(82.9345, 0.3475, 0.4068)

Have a look what the booklet for  
Yxy(82.9345, 0.3475, 0.4068)  
contains.

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# Color

**Yxy(82.7374, 0.3470, 0.4062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3F2AA
RGB	227, 242, 170
RGB Percent	89%, 95%, 67%
CMY	0.1099, 0.0509, 0.3334
CMYK	0.06, 0.00, 0.30, 0.05
HSL	73°, 73%, 81%
HSV	73°, 30%, 95%
XYZ	70.6792, 82.7374, 50.2698
YIQ	229.3070, 14.1720, -25.5720

# Conversions

## Conversions Part 2

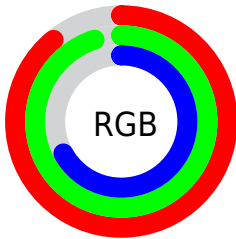
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 242, 185
Decimal	14938794
CIELab	92.90, -16.40, 33.18
CIELCh	93, 37.014, 116.308
Yxy	82.7374, 0.3470, 0.4062
Android (android.graphics.Color)	4293128874 (0xFFE3F2AA)
YUV	229.3070, -29.2384, -2.0232
Hunter-Lab	90.9601, -20.4795, 30.9050

# Details

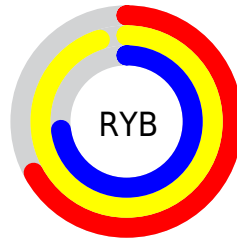
The Yxy color  $82.7374, 0.3470, 0.4062$  is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be  $45.4765, 0.2710, 0.2445$ , and the grayscale version is  $78.8028, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.2710, 0.3298, 0.3572$ , and  $45.0601, 0.3538, 0.4244$  is the 20% darker color. If you saturate the color by 10%, you get  $81.0982, 0.3578, 0.4329$ , and if you desaturate by 10%, it is  $84.5767, 0.3356, 0.3794$ .

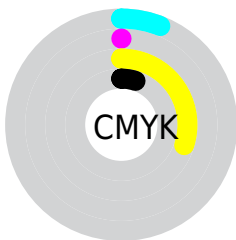
# Distribution



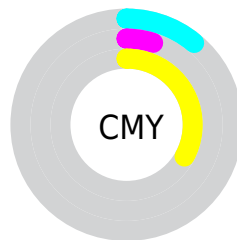
- Red (89%)
- Green (95%)
- Blue (67%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (30%)
- Black (5%)



- Cyan (11%)
- Magenta (5%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7374, 0.3470, 0.4062 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 82.7374, 0.3470, 0.4062 by changing the saturation by 10% instead.




 82.7374, 0.3470,  
0.4062

 82.7374, 0.3470,  
0.4062


504.1109, 0.3323,  
0.3705

 61.9735, 0.3500,  
0.4143

 137.2076, 0.3421,  
0.3938

 45.0113, 0.3536,  
0.4242


171.6827, 0.3402,  
0.3890

 31.4663, 0.3578,  
0.4367


211.4971, 0.3385,  
0.3849

 20.9542, 0.3628,  
0.4527

257.0351, 0.3369,  
0.3812

 13.0905, 0.3686,  
0.4739

308.6810, 0.3356,  
0.3781

 7.4909, 0.3749,  
0.5030

366.8194, 0.3344,

 3.7710, 0.3846,

0.3752

0.5510

431.8346, 0.3333,  
0.3727

■ 1.5463, 0.3836,  
0.6164

■ 0.3210, 0.0000,  
1.0000

■ 82.7374, 0.3470,  
0.4062

■ 82.7374, 0.3470,  
0.4062

■ 81.0982, 0.3578,  
0.4329

■ 84.5767, 0.3356,  
0.3794

■ 79.6385, 0.3673,  
0.4584


■ 86.6138, 0.3239,  
0.3533


■ 78.3518, 0.3751,  
0.4816


■ 88.8605, 0.3124,  
0.3284

■ 77.2264, 0.3807,  
0.5014

■ 90.5413, 0.3083,  
0.3164


 76.2492, 0.3837,  
0.5170

 91.4736, 0.3115,  
0.3165

 75.4047, 0.3841,  
0.5279

 91.9926, 0.3133,  
0.3166

 74.6674, 0.3823,  
0.5346

 74.6503, 0.3822,  
0.5347

# Harmonies

## Analogous

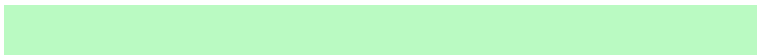
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7374, 0.3815, 0.3954



82.7374, 0.3470, 0.4062



82.7374, 0.3047, 0.3930

# Triad

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



82.7374, 0.3470, 0.4062



82.7374, 0.2342, 0.2818



82.7374, 0.3589, 0.3009

# Complementary

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



82.7374, 0.3470, 0.4062



45.4765, 0.2710, 0.2445

# Split Complementary

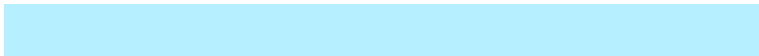
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7374, 0.3163, 0.2750



82.7374, 0.3470, 0.4062



82.7374, 0.2462, 0.2630

# Square

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



82.7374, 0.3470, 0.4062



82.7374, 0.2412, 0.3162



82.7374, 0.2753, 0.2613



82.7374, 0.3896, 0.3340

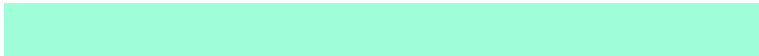


# Rectangle

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



82.7374, 0.3470, 0.4062



82.7374, 0.2780, 0.3715



82.7374, 0.2753, 0.2613



82.7374, 0.3453, 0.2912

# Sweetspot

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



82.7411, 0.3470, 0.4062



97.7113, 0.3231, 0.3514



56.2276, 0.3749, 0.3450



20.8390, 0.3248, 0.3551



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

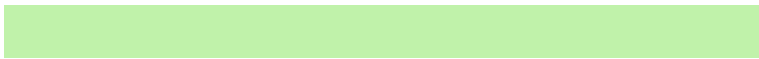
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7411, 0.3470, 0.4062



91.9751, 0.3539, 0.4232



77.5687, 0.3226, 0.4126



18.2827, 0.3236, 0.3526



40.1582, 0.3829, 0.5342



3.3821, 0.3879, 0.5302



# Inverse Universe

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



45.4765, 0.2710, 0.2445



43.4758, 0.2601, 0.2237



50.4374, 0.2986, 0.2509



15.3877, 0.3012, 0.3048



3.8626, 0.1606, 0.0658

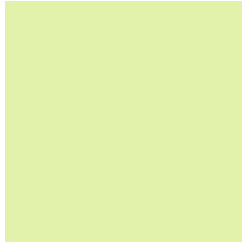


0.3626, 0.1726, 0.0725



# Previews

## White Background



This preview shows how the Yxy color 82.7374, 0.3470, 0.4062 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 82.7374, 0.3470, 0.4062 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

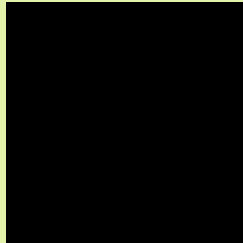
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

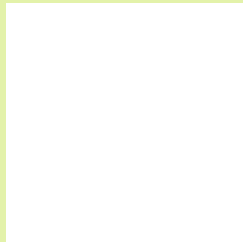
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.7374, 0.3470, 0.4062**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.7374, 0.3470, 0.4062.

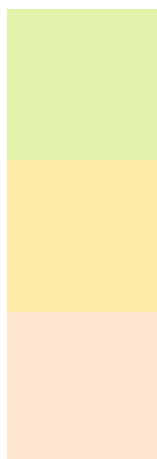


This preview shows how white text looks on a background with the Yxy color 82.7374, 0.3470, 0.4062.

# 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

82.7374, 0.3470, 0.4062

### Protanopia

82.5183, 0.3700, 0.3970

### Deuteranopia

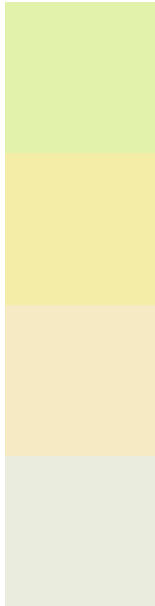
82.4571, 0.3442, 0.3502



## Tritanopia

82.7925, 0.3056, 0.3109

# Trichromacy



## Original Color

82.7374, 0.3470, 0.4062

## Protanomaly

82.6286, 0.3618, 0.4004

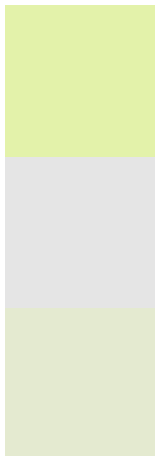
## Deuteranomaly

82.1982, 0.3456, 0.3693

## Tritanomaly

82.7038, 0.3207, 0.3446

# Monochromacy



## Original Color

82.7374, 0.3470, 0.4062

## 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 82.7374, 0.3470, 0.4062 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(227, 242, 170)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 242, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 242, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 82.7374, 0.3470, 0.4062 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(227, 242, 170) }
```

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

```
.border{ border-color:rgb(227, 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(227, 242, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 242, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 242, 170);  
box-shadow:4px 4px 4px 4px rgb(227, 242,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.7374, 0.3470, 0.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 242, 170) }
```

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

```
.background{ background-color: rgb(227,  
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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