

# Converting Colors

Yxy(81.5034, 0.3601, 0.4142)

Have a look what the booklet for  
Yxy(81.5034, 0.3601, 0.4142)  
contains.

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# Color

**Yxy(81.6941, 0.3602, 0.4146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAEF9E
RGB	234, 239, 158
RGB Percent	92%, 94%, 62%
CMY	0.0823, 0.0627, 0.3804
CMYK	0.02, 0.00, 0.34, 0.06
HSL	64°, 72%, 78%
HSV	64°, 34%, 94%
XYZ	70.9750, 81.6941, 44.3741
YIQ	228.2710, 23.0210, -26.2510

# Conversions

## Conversions Part 2

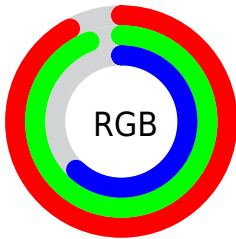
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 239, 163
Decimal	15396766
CIELab	92.44, -13.79, 38.68
CIELCh	92, 41.069, 109.623
Yxy	81.6941, 0.3602, 0.4146
Android (android.graphics.Color)	4293586846 (0xFFEAEF9E)
YUV	228.2710, -34.6436, 5.0243
Hunter-Lab	90.3848, -18.0057, 34.1611

# Details

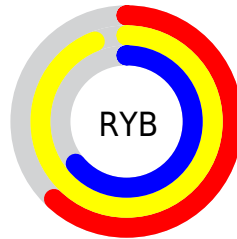
The Yxy color **81.6941, 0.3602, 0.4146** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.4696, 0.2551, 0.2287**, and the grayscale version is **78.0420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **44.2340, 0.3696, 0.4347** is the 20% darker color. If you saturate the color by 10%, you get **80.7056, 0.3732, 0.4389**, and if you desaturate by 10%, it is **82.8521, 0.3463, 0.3892**.

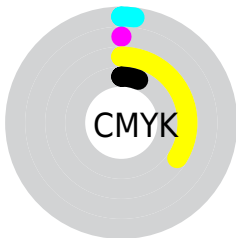
# Distribution



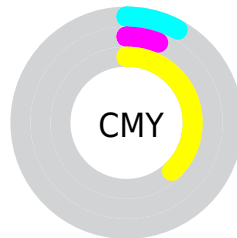
- Red (92%)
- Green (94%)
- Blue (62%)



- Red (62%)
- Yellow (94%)
- Blue (64%)



- Cyan (2%)
- Magenta (0%)
- Yellow (34%)
- Black (6%)




- Cyan (8%)
- Magenta (6%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6941, 0.3602, 0.4146 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 81.6941, 0.3602, 0.4146 by changing the saturation by 10% instead.




 81.6941, 0.3602,  
0.4146


 81.6941, 0.3602,  
0.4146


500.6239, 0.3397,  
0.3752

 61.1134, 0.3644,  
0.4234


 135.7449, 0.3534,  
0.4011

 44.3167, 0.3694,  
0.4341


 169.9839, 0.3507,  
0.3958

 30.9196, 0.3753,  
0.4474


209.5444, 0.3483,  
0.3912

 20.5376, 0.3822,  
0.4643

254.8108, 0.3462,  
0.3872

 12.7864, 0.3902,  
0.4861

306.1676, 0.3443,  
0.3837

 7.2816, 0.3986,  
0.5147

363.9991, 0.3426,

 3.6389, 0.4227,

0.3805

0.5772

428.6897, 0.3411,  
0.3778

■ 1.4737, 0.3992,  
0.6008

■ 0.2701, 0.0000,  
1.0000

■ 81.6941, 0.3602,  
0.4146

■ 81.6941, 0.3602,  
0.4146

■ 80.7056, 0.3732,  
0.4389

■ 82.8521, 0.3463,  
0.3892

■ 79.8662, 0.3848,  
0.4610


■ 84.1771, 0.3321,  
0.3636


■ 79.1693, 0.3945,  
0.4799

■ 85.6807, 0.3181,  
0.3385

■ 78.6033, 0.4016,  
0.4949


■ 87.3704, 0.3045,  
0.3145


 78.1549, 0.4062,  
0.5055

 87.7182, 0.3046,  
0.3132


 77.8077, 0.4082,  
0.5117

 87.9782, 0.3056,  
0.3132

 77.6303, 0.4085,  
0.5139

 88.2404, 0.3065,  
0.3133

 88.5046, 0.3074,  
0.3133

 88.7709, 0.3084,  
0.3134

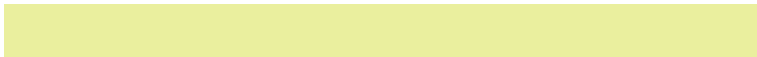
# Harmonies

## Analogous

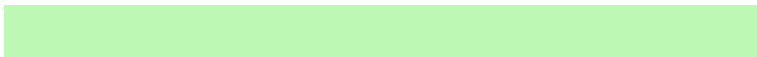
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6941, 0.3952, 0.3967



81.6941, 0.3602, 0.4146



81.6941, 0.3140, 0.4066

# Triad

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



81.6941, 0.3602, 0.4146



81.6941, 0.2259, 0.2833



81.6941, 0.3541, 0.2905

# Complementary

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



81.6941, 0.3602, 0.4146



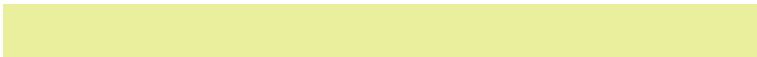
38.4696, 0.2551, 0.2287

# 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.



81.6941, 0.3056, 0.2647



81.6941, 0.3602, 0.4146



81.6941, 0.2345, 0.2588

# Square

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



81.6941, 0.3602, 0.4146



81.6941, 0.2380, 0.3245



81.6941, 0.2625, 0.2531



81.6941, 0.3928, 0.3255

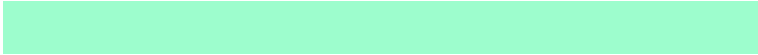


# Rectangle

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



81.6941, 0.3602, 0.4146



81.6941, 0.2833, 0.3858



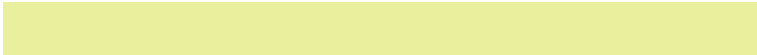
81.6941, 0.2625, 0.2531



81.6941, 0.3382, 0.2806

# Sweetspot

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



81.6978, 0.3602, 0.4146



98.1691, 0.3267, 0.3538



46.6774, 0.3911, 0.3338



20.9608, 0.3286, 0.3574



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.



81.6978, 0.3602, 0.4146



93.7983, 0.3698, 0.4324



75.7305, 0.3319, 0.4232



18.4067, 0.3259, 0.3524



42.9216, 0.4086, 0.5137



3.5856, 0.4101, 0.5126



# Inverse Universe

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



38.4696, 0.2551, 0.2287



36.3321, 0.2402, 0.2034



43.3189, 0.2860, 0.2368



15.2751, 0.2989, 0.3046



3.5170, 0.1519, 0.0610

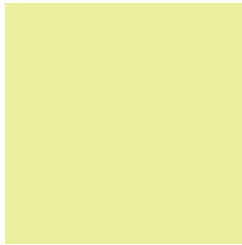


0.3087, 0.1568, 0.0638



# Previews

## White Background



This preview shows how the Yxy color 81.6941, 0.3602, 0.4146 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

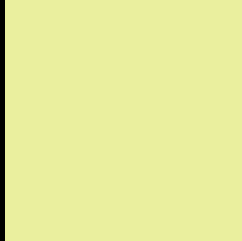
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.6941, 0.3602, 0.4146 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

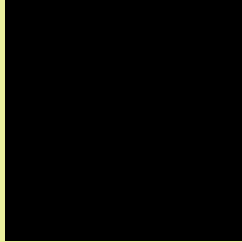
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.6941, 0.3602, 0.4146**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.6941, 0.3602, 0.4146.

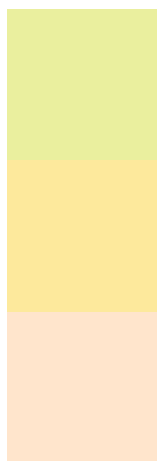


This preview shows how white text looks on a background with the Yxy color 81.6941, 0.3602, 0.4146.

# 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

81.6941, 0.3602, 0.4146

### Protanopia

81.5608, 0.3775, 0.4070

### Deuteranopia

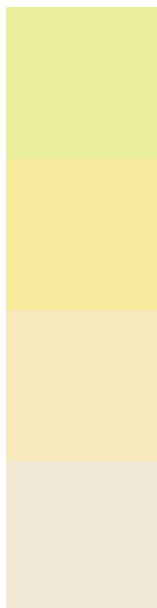
81.6583, 0.3478, 0.3543



## Tritanopia

81.5531, 0.3129, 0.3110

# Trichromacy



## Original Color

81.6941, 0.3602, 0.4146

## Protanomaly

81.4438, 0.3709, 0.4093

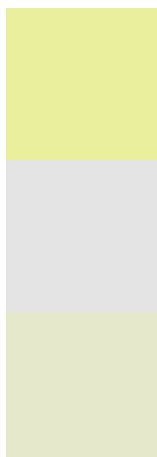
## Deuteranomaly

81.6398, 0.3526, 0.3765

## Tritanomaly

81.2690, 0.3305, 0.3476

# Monochromacy



## Original Color

81.6941, 0.3602, 0.4146

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

78.8480, 0.3300, 0.3600

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.6941, 0.3602, 0.4146 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(234, 239, 158)` looks like.

```
.text, #text, p{  
    color:rgb(234, 239, 158)  
}
```

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(234, 239, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 239, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 81.6941, 0.3602, 0.4146 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(234, 239, 158) }
```

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

```
.border{ border-color:rgb(234, 239, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 239, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 239, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 239, 158);  
box-shadow:4px 4px 4px 4px rgb(234, 239,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.6941, 0.3602, 0.4146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 239, 158) }
```

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

```
.background{ background-color: rgb(234,  
239, 158) }
```

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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