

# Converting Colors

$Yxy(78.4833, 0.3461, 0.3926)$

Have a look what the booklet for  
Yxy(78.4833, 0.3461, 0.3926)  
contains.

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# Color

**Yxy(78.4348, 0.3464, 0.3929)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4EAAF
RGB	228, 234, 175
RGB Percent	89%, 92%, 69%
CMY	0.1059, 0.0823, 0.3138
CMYK	0.03, 0.00, 0.25, 0.08
HSL	66°, 58%, 80%
HSV	66°, 25%, 92%
XYZ	69.1520, 78.4348, 52.0437
YIQ	225.4800, 15.3630, -19.6210

# Conversions

## Conversions Part 2

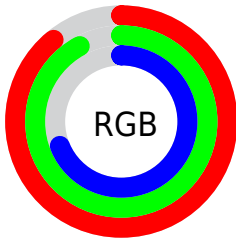
Format	Color
<a href="#">RYB</a>	<a href="#">175, 234, 181</a>
Decimal	<a href="#">15002287</a>
CIELab	<a href="#">90.98, -11.41, 28.07</a>
CIElCh	<a href="#">91, 30.300, 112.119</a>
Yxy	<a href="#">78.4348, 0.3464, 0.3929</a>
Android (android.graphics.Color)	<a href="#">4293192367</a> ( <a href="#">0xFFE4EAAF</a> )
YUV	<a href="#">225.4800, -24.8866, 2.2100</a>
Hunter-Lab	<a href="#">88.5634, -15.6098, 27.1531</a>

# Details

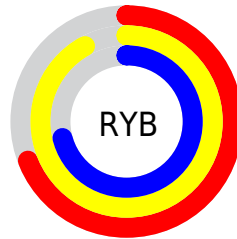
The Yxy color **78.4348, 0.3464, 0.3929** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **46.4198, 0.2737, 0.2581**, and the grayscale version is **75.8332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **42.0166, 0.3536, 0.4077** is the 20% darker color. If you saturate the color by 10%, you get **77.2095, 0.3595, 0.4186**, and if you desaturate by 10%, it is **79.8318, 0.3330, 0.3670**.

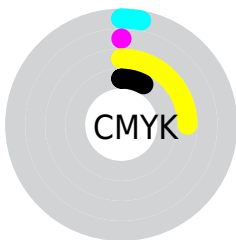
# Distribution



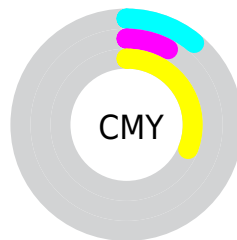
- Red (89%)
- Green (92%)
- Blue (69%)



- Red (69%)
- Yellow (92%)
- Blue (71%)



- Cyan (3%)
- Magenta (0%)
- Yellow (25%)
- Black (8%)




- Cyan (11%)
- Magenta (8%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4348, 0.3464, 0.3929 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 78.4348, 0.3464, 0.3929 by changing the saturation by 10% instead.





 78.4348, 0.3464,  
0.3929

 78.4348, 0.3464,  
0.3929

489.6422, 0.3315,  
0.3632

 58.4312, 0.3496,  
0.3997


 131.1629, 0.3414,  
0.3826

 42.1554, 0.3534,  
0.4080

164.6562, 0.3394,  
0.3786

 29.2230, 0.3581,  
0.4185

203.4148, 0.3376,  
0.3751

 19.2496, 0.3639,  
0.4321

247.8232, 0.3361,  
0.3721

 11.8508, 0.3711,  
0.4503

298.2657, 0.3348,  
0.3695

 6.6421, 0.3799,  
0.4756


355.1268, 0.3336,


 3.2393, 0.3930,


0.3672


0.5167


418.7908, 0.3325,  
0.3651


 1.2579, 0.4108,  
0.5892


 0.1083, 0.0000,  
1.0000

 78.4348, 0.3464,  
0.3929


 78.4348, 0.3464,  
0.3929


 77.2095, 0.3595,  
0.4186


 79.8318, 0.3330,  
0.3670


 76.1372, 0.3716,  
0.4432

 81.3977, 0.3196,  
0.3418


 75.2124, 0.3822,  
0.4657


 83.1431, 0.3066,  
0.3176

 74.4252, 0.3908,  
0.4850


 84.1683, 0.3022,  
0.3080

 73.7644, 0.3969,  
0.5003


 84.5830, 0.3038,  
0.3081

 73.2170, 0.4004,  
0.5111

 85.0033, 0.3053,  
0.3082

 72.7669, 0.4014,  
0.5176

 85.4290, 0.3069,  
0.3083

 72.5743, 0.4013,  
0.5196

 85.8604, 0.3084,  
0.3084

 86.2972, 0.3100,  
0.3085

# Harmonies

## Analogous

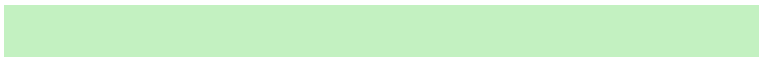
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4348, 0.3733, 0.3823



78.4348, 0.3464, 0.3929



78.4348, 0.3114, 0.3844

# Triad

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



78.4348, 0.3464, 0.3929



78.4348, 0.2464, 0.2933



78.4348, 0.3467, 0.3019

# Complementary

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



78.4348, 0.3464, 0.3929



46.4198, 0.2737, 0.2581

# Split Complementary

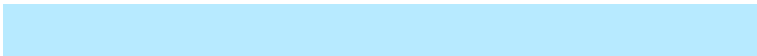
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.4348, 0.3108, 0.2810



78.4348, 0.3464, 0.3929



78.4348, 0.2544, 0.2750

# Square

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



78.4348, 0.3464, 0.3929



78.4348, 0.2547, 0.3235



78.4348, 0.2773, 0.2711



78.4348, 0.3741, 0.3296

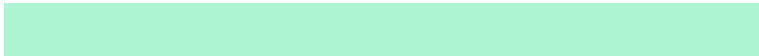


# Rectangle

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



78.4348, 0.3464, 0.3929



78.4348, 0.2884, 0.3683



78.4348, 0.2773, 0.2711



78.4348, 0.3351, 0.2939

# Sweetspot

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



78.4383, 0.3464, 0.3929



98.3626, 0.3233, 0.3488



53.5909, 0.3645, 0.3358



20.9911, 0.3253, 0.3526



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

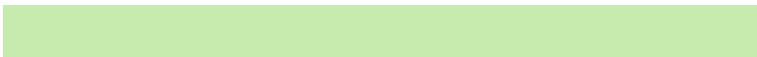
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4383, 0.3464, 0.3929



94.5647, 0.3529, 0.4056



74.0327, 0.3253, 0.3974



17.5444, 0.3252, 0.3524



40.8110, 0.4016, 0.5194



3.2272, 0.4042, 0.5173



# Inverse Universe

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



46.4198, 0.2737, 0.2581



49.7370, 0.2647, 0.2421



50.3559, 0.2965, 0.2625



14.6224, 0.2996, 0.3047



3.4714, 0.1535, 0.0620

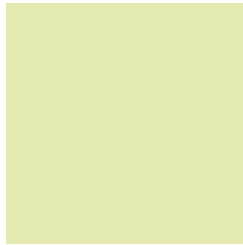


0.2974, 0.1617, 0.0664



# Previews

## White Background



This preview shows how the Yxy color 78.4348, 0.3464, 0.3929 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

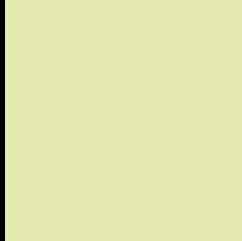
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.4348, 0.3464, 0.3929 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

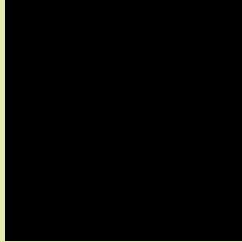
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

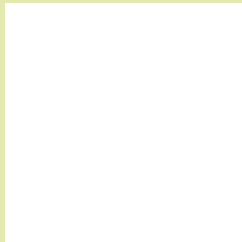
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.4348, 0.3464, 0.3929**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.4348, 0.3464, 0.3929.

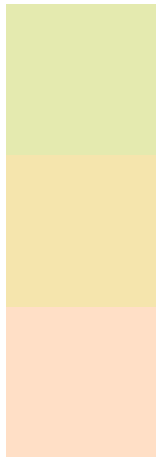


This preview shows how white text looks on a background with the Yxy color 78.4348, 0.3464, 0.3929.

# 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

78.4348, 0.3464, 0.3929

### Protanopia

78.4682, 0.3616, 0.3875

### Deuteranopia

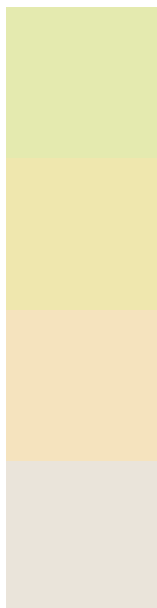
78.1126, 0.3532, 0.3545



## Tritanopia

78.3260, 0.3094, 0.3106

# Trichromacy



## Original Color

78.4348, 0.3464, 0.3929

## Protanomaly

78.5585, 0.3559, 0.3893

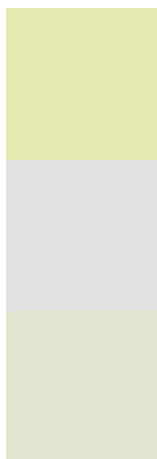
## Deuteranomaly

78.0684, 0.3505, 0.3676

## Tritanomaly

78.0412, 0.3234, 0.3395

# Monochromacy



## Original Color

78.4348, 0.3464, 0.3929

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

76.1606, 0.3250, 0.3517

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.4348, 0.3464, 0.3929 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(228, 234, 175)` looks like.

```
.text, #text, p{  
    color:rgb(228, 234, 175)  
}
```

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(228, 234, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 234, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 78.4348, 0.3464, 0.3929 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(228, 234, 175) }
```

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

```
.border{ border-color:rgb(228, 234, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 234, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 234, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 234, 175);  
box-shadow:4px 4px 4px 4px rgb(228, 234,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.4348, 0.3464, 0.3929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 234, 175) }
```

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

```
.background{ background-color: rgb(228,  
234, 175) }
```

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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