

# Converting Colors

$Yxy(76.8350, 0.3461, 0.3873)$

Have a look what the booklet for  
Yxy(76.8350, 0.3461, 0.3873)  
contains.

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# Color

**Yxy(76.9842, 0.3465, 0.3876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5E7B1
RGB	229, 231, 177
RGB Percent	90%, 91%, 69%
CMY	0.1020, 0.0941, 0.3060
CMYK	0.01, 0.00, 0.23, 0.09
HSL	62°, 53%, 80%
HSV	62°, 23%, 91%
XYZ	68.8210, 76.9842, 52.8124
YIQ	224.2460, 16.1420, -17.2180

# Conversions

## Conversions Part 2

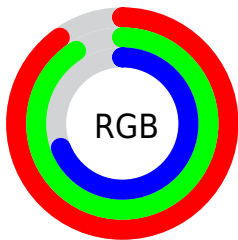
Format	Color
<a href="#">RYB</a>	<a href="#">177, 231, 179</a>
Decimal	<a href="#">15067057</a>
<a href="#">CIELab</a>	<a href="#">90.31, -9.27, 26.16</a>
<a href="#">CIElCh</a>	<a href="#">90, 27.753, 109.507</a>
<a href="#">Yxy</a>	<a href="#">76.9842, 0.3465, 0.3876</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4293257137 (0xFFE5E7B1)</a>
<a href="#">YUV</a>	<a href="#">224.2460, -23.2923, 4.1693</a>
<a href="#">Hunter-Lab</a>	<a href="#">87.7406, -13.5363, 25.7309</a>

# Details

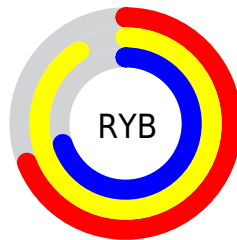
The Yxy color **76.9842, 0.3465, 0.3876** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **46.7866, 0.2744, 0.2635**, and the grayscale version is **74.8874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **41.3901, 0.3536, 0.4021** is the 20% darker color. If you saturate the color by 10%, you get **76.0018, 0.3608, 0.4128**, and if you desaturate by 10%, it is **78.1301, 0.3319, 0.3622**.

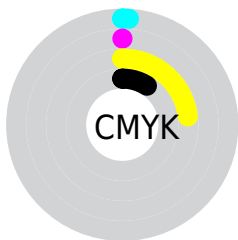
# Distribution



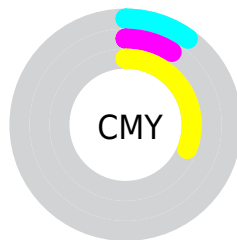
- Red (90%)
- Green (91%)
- Blue (69%)



- Red (69%)
- Yellow (91%)
- Blue (70%)



- Cyan (1%)
- Magenta (0%)
- Yellow (23%)
- Black (9%)




- Cyan (10%)
- Magenta (9%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9842, 0.3465, 0.3876 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 76.9842, 0.3465, 0.3876 by changing the saturation by 10% instead.




 76.9842, 0.3465,  
0.3876

 76.9842, 0.3465,  
0.3876

484.7102, 0.3314,  
0.3604

 57.2399, 0.3498,  
0.3938


 129.1172, 0.3414,  
0.3781

 41.1979, 0.3538,  
0.4015


162.2747, 0.3393,  
0.3745

 28.4737, 0.3587,  
0.4111


200.6720, 0.3376,  
0.3713

 18.6831, 0.3648,  
0.4237

244.6935, 0.3360,  
0.3686

 11.4415, 0.3725,  
0.4405

294.7238, 0.3347,  
0.3661

 6.3646, 0.3824,  
0.4640

351.1470, 0.3335,

 3.0680, 0.3970,

0.3640

0.5016

414.3477, 0.3324,  
0.3621

■ 1.1674, 0.4240,  
0.5760

■ 0.0348, 0.0000,  
1.0000

■ 76.9842, 0.3465,  
0.3876

■ 76.9842, 0.3465,  
0.3876

■ 76.0018, 0.3608,  
0.4128

■ 78.1301, 0.3319,  
0.3622

■ 75.1647, 0.3744,  
0.4368

■ 79.4365, 0.3175,  
0.3372


■ 74.4679, 0.3865,  
0.4586


■ 80.9137, 0.3036,  
0.3134

■ 73.9019, 0.3966,  
0.4772

■ 81.6071, 0.2989,  
0.3047

 73.4562, 0.4044,  
0.4919

 81.7521, 0.2995,  
0.3048

 73.1186, 0.4095,  
0.5023


 81.8977, 0.3000,  
0.3048

 72.8743, 0.4121,  
0.5083

 82.0441, 0.3006,  
0.3049

 72.7488, 0.4128,  
0.5105

 82.1912, 0.3012,  
0.3049

 82.3390, 0.3017,  
0.3049

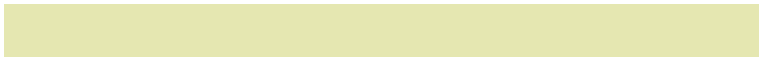
# Harmonies

## Analogous

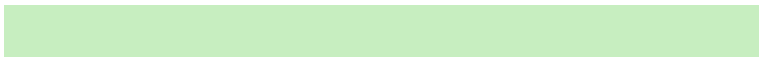
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9842, 0.3702, 0.3768



76.9842, 0.3465, 0.3876



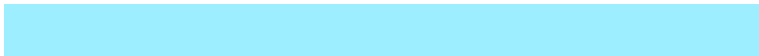
76.9842, 0.3145, 0.3812

# Triad

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



76.9842, 0.3465, 0.3876



76.9842, 0.2514, 0.2983



76.9842, 0.3414, 0.3019

# Complementary

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



76.9842, 0.3465, 0.3876



46.7866, 0.2744, 0.2635

# Split Complementary

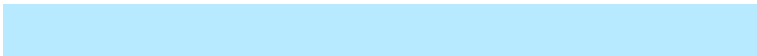
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9842, 0.3082, 0.2832



76.9842, 0.3465, 0.3876



76.9842, 0.2575, 0.2801

# Square

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



76.9842, 0.3465, 0.3876



76.9842, 0.2605, 0.3269



76.9842, 0.2777, 0.2752



76.9842, 0.3675, 0.3274

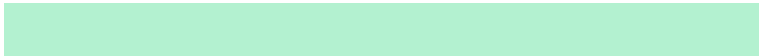


# Rectangle

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



76.9842, 0.3465, 0.3876



76.9842, 0.2930, 0.3673



76.9842, 0.2777, 0.2752



76.9842, 0.3306, 0.2947

# Sweetspot

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



76.9876, 0.3465, 0.3876



98.7771, 0.3227, 0.3462



52.3140, 0.3606, 0.3312



21.1208, 0.3236, 0.3477



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.



76.9876, 0.3465, 0.3876



95.7222, 0.3534, 0.3997



72.9138, 0.3270, 0.3914



16.7884, 0.3262, 0.3523



40.7927, 0.4129, 0.5104



3.0230, 0.4139, 0.5096



# Inverse Universe

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



46.7866, 0.2744, 0.2635



51.8072, 0.2653, 0.2480



50.2963, 0.2951, 0.2672



13.9127, 0.2986, 0.3047



3.2775, 0.1512, 0.0607

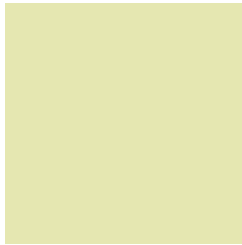


0.2513, 0.1546, 0.0625



# Previews

## White Background



This preview shows how the Yxy color 76.9842, 0.3465, 0.3876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

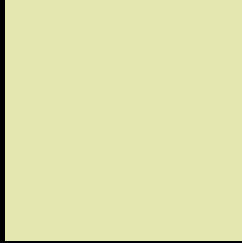
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.9842, 0.3465, 0.3876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

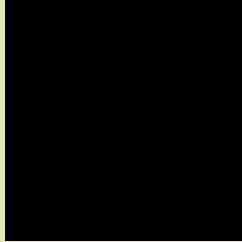
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.9842, 0.3465, 0.3876**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.9842, 0.3465, 0.3876.

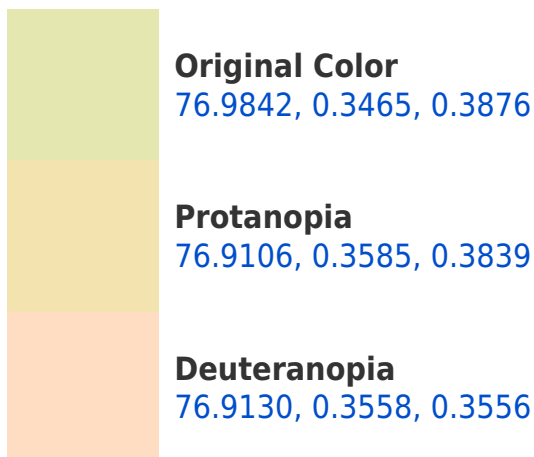


This preview shows how white text looks on a background with the Yxy color 76.9842, 0.3465, 0.3876.

# 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

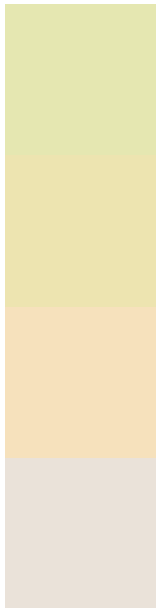




## Tritanopia

77.0711, 0.3114, 0.3116

# Trichromacy



## Original Color

76.9842, 0.3465, 0.3876

## Protanomaly

76.6259, 0.3538, 0.3845

## Deuteranomaly

77.0741, 0.3530, 0.3677

## Tritanomaly

76.8949, 0.3242, 0.3385

# Monochromacy



## Original Color

76.9842, 0.3465, 0.3876

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

75.6119, 0.3251, 0.3506

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.9842, 0.3465, 0.3876 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(229, 231, 177)` looks like.

```
.text, #text, p{  
    color:rgb(229, 231, 177)  
}
```

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(229, 231, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 231, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 76.9842, 0.3465, 0.3876 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(229, 231, 177) }
```

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

```
.border{ border-color:rgb(229, 231, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 231, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 231, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 231, 177);  
box-shadow:4px 4px 4px 4px rgb(229, 231,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.9842, 0.3465, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 231, 177) }
```

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

```
.background{ background-color: rgb(229,  
231, 177) }
```

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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