

# Converting Colors

$Yxy(76.6221, 0.3376, 0.3806)$

Have a look what the booklet for  
Yxy(76.6221, 0.3376, 0.3806)  
contains.

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# Color

**Yxy(76.4598, 0.3382, 0.3805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E7B8
RGB	224, 231, 184
RGB Percent	88%, 91%, 72%
CMY	0.1217, 0.0941, 0.2784
CMYK	0.03, 0.00, 0.20, 0.09
HSL	69°, 49%, 81%
HSV	69°, 20%, 91%
XYZ	67.9598, 76.4598, 56.5260
YIQ	223.5490, 10.9150, -16.1010

# Conversions

## Conversions Part 2

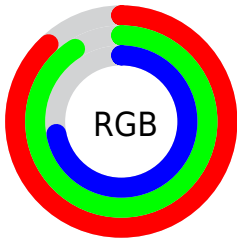
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 231, 191
Decimal	14739384
CIELab	90.07, -10.11, 22.14
CIELCh	90, 24.340, 114.531
Yxy	76.4598, 0.3382, 0.3805
Android (android.graphics.Color)	4292929464 (0xFFE0E7B8)
YUV	223.5490, -19.4977, 0.3955
Hunter-Lab	87.4413, -14.2912, 22.8812

# Details

The Yxy color **76.4598, 0.3382, 0.3805** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.1380, 0.2840, 0.2736**, and the grayscale version is **74.3370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **40.6235, 0.3433, 0.3920** is the 20% darker color. If you saturate the color by 10%, you get **75.0240, 0.3506, 0.4068**, and if you desaturate by 10%, it is **78.0719, 0.3256, 0.3547**.

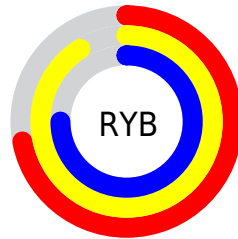
# Distribution



Red (88%)

Green (91%)

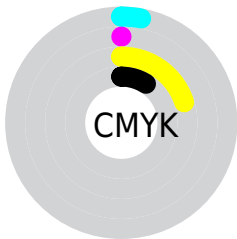
Blue (72%)



Red (72%)

Yellow (91%)

Blue (75%)

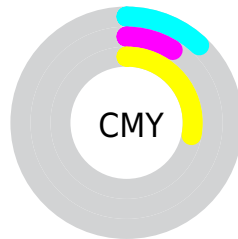


Cyan (3%)

Magenta (0%)

Yellow (20%)

Black (9%)



Cyan (12%)

Magenta (9%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4598, 0.3382, 0.3805 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 76.4598, 0.3382, 0.3805 by changing the saturation by 10% instead.



 76.4598, 0.3382,  
0.3805

 76.4598, 0.3382,  
0.3805


482.9202, 0.3268,  
0.3565

 56.8096, 0.3407,  
0.3860


 128.3767, 0.3343,  
0.3721

 40.8524, 0.3437,  
0.3929


161.4121, 0.3328,  
0.3689

 28.2038, 0.3474,  
0.4015


199.6781, 0.3315,  
0.3661

 18.4793, 0.3521,  
0.4129

243.5591, 0.3303,  
0.3637

 11.2947, 0.3581,  
0.4282

293.4394, 0.3293,  
0.3615

 6.2654, 0.3659,  
0.4502


349.7034, 0.3284,


 3.0071, 0.3759,


0.3596


0.4839


412.7355, 0.3275,  
0.3580


 1.1355, 0.4173,  
0.5827

 0.0080, 0.0000,  
1.0000


 76.4598, 0.3382,  
0.3805


 76.4598, 0.3382,  
0.3805


 75.0240, 0.3506,  
0.4068


 78.0719, 0.3256,  
0.3547


 73.7466, 0.3624,  
0.4326


 79.8572, 0.3131,  
0.3298


 72.6226, 0.3729,  
0.4570

 81.8261, 0.3012,  
0.3065

 71.6427, 0.3817,  
0.4789


 82.5281, 0.3024,  
0.3050

 70.7969, 0.3882,  
0.4973

 83.1332, 0.3047,  
0.3052

 70.0734, 0.3922,  
0.5114


 83.7500, 0.3070,  
0.3053

 69.4582, 0.3935,  
0.5209

 84.3784, 0.3093,  
0.3055

 68.9444, 0.3927,  
0.5264

 85.0186, 0.3116,  
0.3057

 85.6408, 0.3138,  
0.3058

# Harmonies

## Analogous

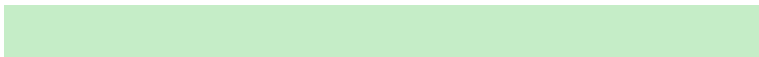
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4598, 0.3606, 0.3737



76.4598, 0.3382, 0.3805



76.4598, 0.3096, 0.3721

# Triad

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



76.4598, 0.3382, 0.3805



76.4598, 0.2584, 0.2987



76.4598, 0.3425, 0.3086

# Complementary

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



76.4598, 0.3382, 0.3805



51.1380, 0.2840, 0.2736

# Split Complementary

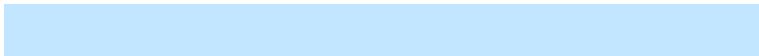
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.4598, 0.3138, 0.2906



76.4598, 0.3382, 0.3805



76.4598, 0.2661, 0.2843

# Square

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



76.4598, 0.3382, 0.3805



76.4598, 0.2643, 0.3227



76.4598, 0.2860, 0.2818



76.4598, 0.3635, 0.3318



# Rectangle

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



76.4598, 0.3382, 0.3805



76.4598, 0.2910, 0.3586



76.4598, 0.2860, 0.2818



76.4598, 0.3333, 0.3018

# Sweetspot

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



76.4632, 0.3382, 0.3805



98.6207, 0.3202, 0.3438



57.7393, 0.3517, 0.3370



21.0778, 0.3210, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

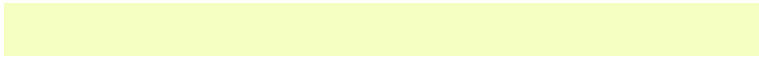


# Same Dimension

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



76.4632, 0.3382, 0.3805



94.9660, 0.3429, 0.3904



72.9645, 0.3214, 0.3833



16.7019, 0.3244, 0.3524



38.6885, 0.3932, 0.5260



2.8888, 0.3972, 0.5228



# Inverse Universe

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



51.1380, 0.2840, 0.2736



58.4086, 0.2777, 0.2620



54.4349, 0.3020, 0.2765



13.9904, 0.3003, 0.3049



3.4645, 0.1563, 0.0635

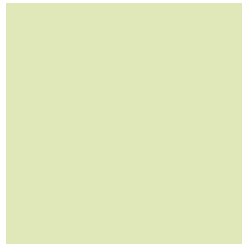


0.2884, 0.1678, 0.0698



# Previews

## White Background



This preview shows how the Yxy color 76.4598, 0.3382, 0.3805 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

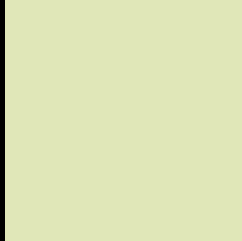
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.4598, 0.3382, 0.3805 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

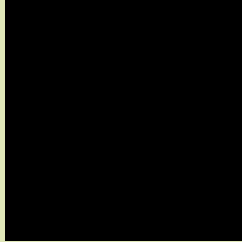
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

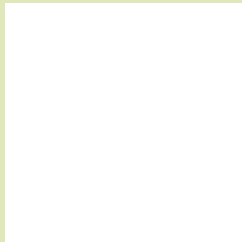
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.4598, 0.3382, 0.3805**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.4598, 0.3382, 0.3805.

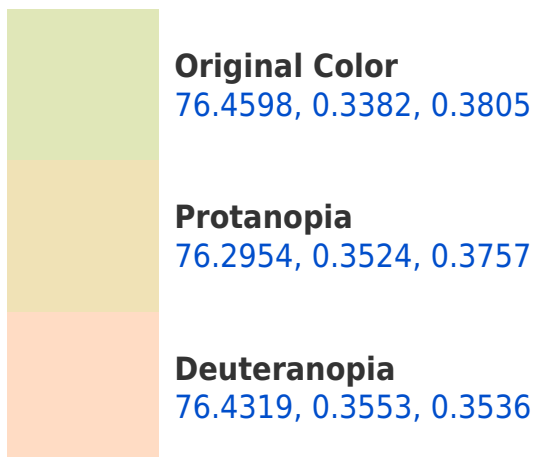


This preview shows how white text looks on a background with the Yxy color 76.4598, 0.3382, 0.3805.

# 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

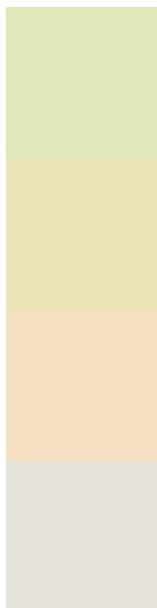




## **Tritanopia**

76.2820, 0.3074, 0.3104

# Trichromacy



## Original Color

76.4598, 0.3382, 0.3805

## Protanomaly

76.3981, 0.3468, 0.3773

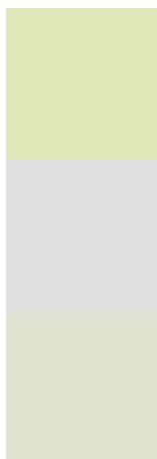
## Deuteranomaly

76.3502, 0.3490, 0.3626

## Tritanomaly

76.2180, 0.3187, 0.3354

# Monochromacy



## Original Color

76.4598, 0.3382, 0.3805

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

75.3889, 0.3223, 0.3485

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4598, 0.3382, 0.3805 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(224, 231, 184)` looks like.

```
.text, #text, p{  
    color:rgb(224, 231, 184)  
}
```

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(224, 231, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 231, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4598, 0.3382, 0.3805 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(224, 231, 184) }
```

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

```
.border{ border-color:rgb(224, 231, 184) }
```

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

Here you see how a box with a 4 pixel rgb(224, 231, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 231, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 231, 184);  
box-shadow:4px 4px 4px 4px rgb(224, 231,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4598, 0.3382, 0.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 231, 184) }
```

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

```
.background{ background-color: rgb(224,  
231, 184) }
```

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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