

# Converting Colors

$Yxy(77.4451, 0.3583, 0.4161)$

Have a look what the booklet for  
Yxy(77.4451, 0.3583, 0.4161)  
contains.

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# Color

**Yxy(77.3475, 0.3583, 0.4159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2EA9A
RGB	226, 234, 154
RGB Percent	89%, 92%, 60%
CMY	0.1135, 0.0824, 0.3960
CMYK	0.03, 0.00, 0.34, 0.08
HSL	66°, 66%, 76%
HSV	66°, 34%, 92%
XYZ	66.6353, 77.3475, 41.9934
YIQ	222.4880, 20.9120, -26.5760

# Conversions

## Conversions Part 2

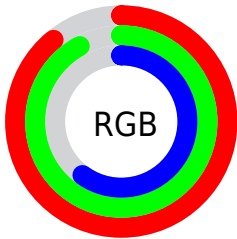
Format	Color
<b>RYB</b>	154, 234, 162
Decimal	14871194
CIELab	90.48, -14.79, 38.01
CIELCh	90, 40.785, 111.265
Yxy	77.3475, 0.3583, 0.4159
Android (android.graphics.Color)	4293061274 (0xFFE2EA9A)
YUV	222.4880, -33.7646, 3.0800
Hunter-Lab	87.9474, -18.6636, 33.2532

# Details

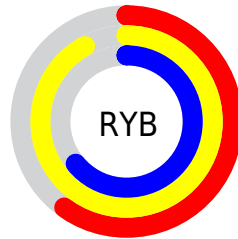
The Yxy color **77.3475, 0.3583, 0.4159** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.7293, 0.2569, 0.2285**, and the grayscale version is **73.6515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **41.3461, 0.3675, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **76.2734, 0.3706, 0.4406**, and if you desaturate by 10%, it is **78.5856, 0.3451, 0.3902**.

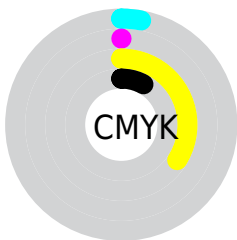
# Distribution



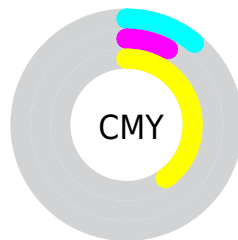
- Red (89%)
- Green (92%)
- Blue (60%)



- Red (60%)
- Yellow (92%)
- Blue (64%)



- Cyan (3%)
- Magenta (0%)
- Yellow (34%)
- Black (8%)




- Cyan (11%)
- Magenta (8%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3475, 0.3583, 0.4159 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 77.3475, 0.3583, 0.4159 by changing the saturation by 10% instead.




 77.3475, 0.3583,  
0.4159

 77.3475, 0.3583,  
0.4159


485.9480, 0.3385,  
0.3755

 57.5381, 0.3624,  
0.4251


 129.6299, 0.3517,  
0.4019

 41.4374, 0.3672,  
0.4363


 162.8717, 0.3491,  
0.3964

 28.6611, 0.3729,  
0.4503

201.3598, 0.3468,  
0.3917

 18.8246, 0.3796,  
0.4682

245.4785, 0.3447,  
0.3876

 11.5436, 0.3871,  
0.4916

295.6123, 0.3429,  
0.3840

 6.4337, 0.3947,  
0.5226

352.1456, 0.3413,

 3.1106, 0.4141,

0.3808

0.5859

415.4627, 0.3398,  
0.3780

■ 1.1897, 0.3840,  
0.6160

■ 0.0533, 0.0000,  
1.0000

■ 77.3475, 0.3583,  
0.4159

■ 77.3475, 0.3583,  
0.4159

■ 76.2734, 0.3706,  
0.4406

■ 78.5856, 0.3451,  
0.3902

■ 75.3439, 0.3815,  
0.4633


■ 79.9855, 0.3316,  
0.3644


■ 74.5528, 0.3903,  
0.4829


■ 81.5581, 0.3182,  
0.3392

■ 73.8890, 0.3968,  
0.4986


■ 83.3106, 0.3052,  
0.3152

 73.3398, 0.4006,  
0.5099

 84.1756, 0.3023,  
0.3080


 72.8895, 0.4019,  
0.5167

 84.5786, 0.3038,  
0.3081

 72.6589, 0.4018,  
0.5192

 84.9868, 0.3053,  
0.3082

 85.4002, 0.3068,  
0.3083

 85.8188, 0.3083,  
0.3084

# Harmonies

## Analogous

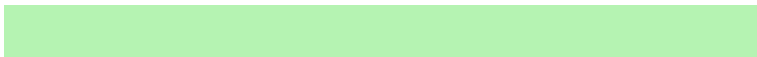
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3475, 0.3947, 0.3989



77.3475, 0.3583, 0.4159



77.3475, 0.3113, 0.4063

# Triad

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



77.3475, 0.3583, 0.4159



77.3475, 0.2249, 0.2810



77.3475, 0.3571, 0.2919

# Complementary

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



77.3475, 0.3583, 0.4159



36.7293, 0.2569, 0.2285

# Split Complementary

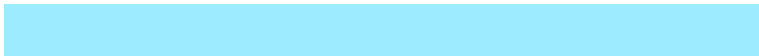
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3475, 0.3082, 0.2652



77.3475, 0.3583, 0.4159



77.3475, 0.2347, 0.2572

# Square

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



77.3475, 0.3583, 0.4159



77.3475, 0.2360, 0.3218



77.3475, 0.2640, 0.2525



77.3475, 0.3953, 0.3275



# Rectangle

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



77.3475, 0.3583, 0.4159



77.3475, 0.2806, 0.3843



77.3475, 0.2640, 0.2525



77.3475, 0.3412, 0.2817

# Sweetspot

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



77.3510, 0.3583, 0.4159



97.9892, 0.3260, 0.3538



45.2005, 0.3909, 0.3368



20.9170, 0.3279, 0.3574



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

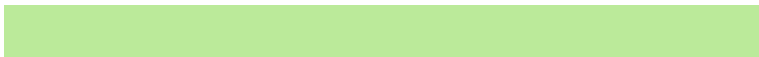
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3510, 0.3583, 0.4159



93.0849, 0.3671, 0.4334



71.7788, 0.3302, 0.4245



17.5468, 0.3253, 0.3524



40.8668, 0.4021, 0.5190



3.2310, 0.4046, 0.5169



# Inverse Universe

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



36.7293, 0.2569, 0.2285



36.7336, 0.2430, 0.2043



41.4258, 0.2880, 0.2367



14.6203, 0.2995, 0.3047



3.4662, 0.1534, 0.0619

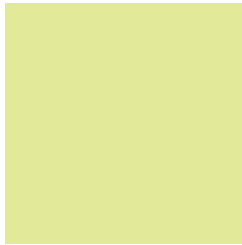


0.2964, 0.1614, 0.0663



# Previews

## White Background



This preview shows how the Yxy color 77.3475, 0.3583, 0.4159 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

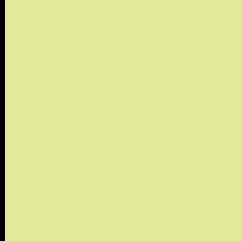
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.3475, 0.3583, 0.4159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

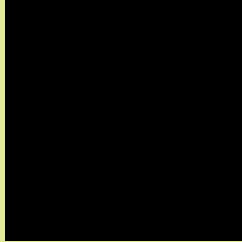
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.3475, 0.3583, 0.4159**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.3475, 0.3583, 0.4159.

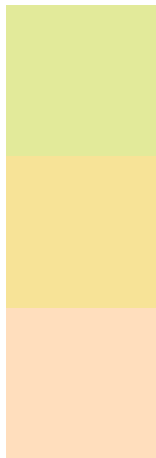


This preview shows how white text looks on a background with the Yxy color 77.3475, 0.3583, 0.4159.

# 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

77.3475, 0.3583, 0.4159

### Protanopia

76.9467, 0.3784, 0.4077

### Deuteranopia

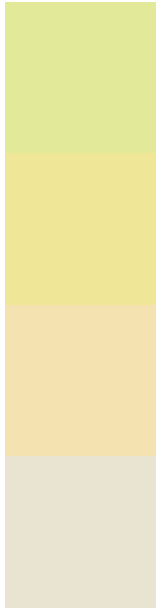
77.1767, 0.3598, 0.3628



## Tritanopia

77.1308, 0.3108, 0.3106

# Trichromacy



**Original Color**

77.3475, 0.3583, 0.4159

**Protanomaly**

77.2113, 0.3706, 0.4113

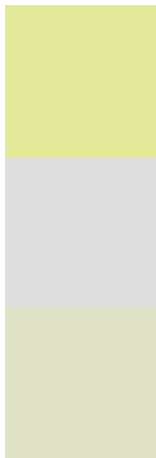
**Deuteranomaly**

76.7604, 0.3596, 0.3816

**Tritanomaly**

76.8653, 0.3288, 0.3482

# Monochromacy



**Original Color**

77.3475, 0.3583, 0.4159

**Achromatopsia**

73.7910, 0.3127, 0.3290

**Achromatomaly**

74.8627, 0.3296, 0.3607

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.3475, 0.3583, 0.4159 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(226, 234, 154)` looks like.

```
.text, #text, p{  
    color:rgb(226, 234, 154)  
}
```

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(226, 234, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 234, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 77.3475, 0.3583, 0.4159 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(226, 234, 154) }
```

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

```
.border{ border-color:rgb(226, 234, 154) }
```

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

Here you see how a box with a 4 pixel rgb(226, 234, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 234, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 234, 154);  
box-shadow:4px 4px 4px 4px rgb(226, 234,  
154) }
```



# Background

The CSS property to change the background color of an element to `Yxy 77.3475, 0.3583, 0.4159` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 234, 154) }
```

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

```
.background{ background-color: rgb(226,  
234, 154) }
```

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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