

# Converting Colors

$Yxy(73.9052, 0.3460, 0.3842)$

Have a look what the booklet for  
Yxy(73.9052, 0.3460, 0.3842)  
contains.

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# Color

**Yxy(73.6961, 0.3460, 0.3840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E2B0
RGB	226, 226, 176
RGB Percent	89%, 89%, 69%
CMY	0.1137, 0.1137, 0.3097
CMYK	0.00, 0.00, 0.22, 0.11
HSL	60°, 46%, 79%
HSV	60°, 22%, 89%
XYZ	66.4033, 73.6961, 51.8176
YIQ	220.3000, 16.0500, -15.5500

# Conversions

## Conversions Part 2

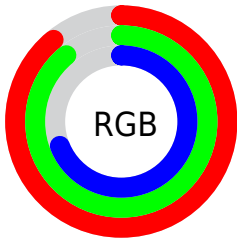
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 226, 176
Decimal	14869168
CIELab	88.78, -7.97, 24.51
CIELCh	89, 25.768, 108.014
Yxy	73.6961, 0.3460, 0.3840
Android (android.graphics.Color)	4293059248 (0xFFE2E2B0)
YUV	220.3000, -21.8399, 4.9989
Hunter-Lab	85.8464, -12.1593, 24.3046

# Details

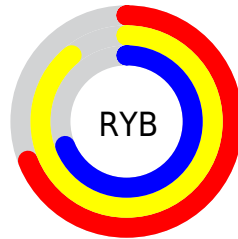
The Yxy color **73.6961, 0.3460, 0.3840** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.7984, 0.2754, 0.2674**, and the grayscale version is **71.9428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **39.1019, 0.3533, 0.3979** is the 20% darker color. If you saturate the color by 10%, you get **72.8734, 0.3611, 0.4089**, and if you desaturate by 10%, it is **74.6743, 0.3308, 0.3588**.

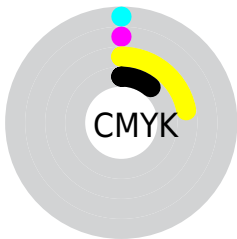
# Distribution



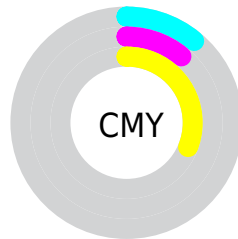
- Red (89%)
- Green (89%)
- Blue (69%)



- Red (69%)
- Yellow (89%)
- Blue (69%)



- Cyan (0%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.6961, 0.3460, 0.3840 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 73.6961, 0.3460, 0.3840 by changing the saturation by 10% instead.



 73.6961, 0.3460,  
0.3840

 73.6961, 0.3460,  
0.3840

473.4238, 0.3309,  
0.3583

 54.5453, 0.3493,  
0.3899

 124.4649, 0.3409,  
0.3750

 39.0378, 0.3534,  
0.3972

156.8518, 0.3388,  
0.3716

 26.7892, 0.3584,  
0.4065


194.4194, 0.3371,  
0.3686

 17.4149, 0.3647,  
0.4185

237.5523, 0.3355,  
0.3660

 10.5308, 0.3729,  
0.4349

286.6348, 0.3342,  
0.3637

 5.7523, 0.3835,  
0.4579

342.0513, 0.3330,

 2.6950, 0.4012,

0.3617

0.4973

404.1862, 0.3319,  
0.3599

0.9747, 0.4280,  
0.5720

0.0000, 0.0000,  
0.0000

73.6961, 0.3460,  
0.3840

73.6961, 0.3460,  
0.3840

72.8734, 0.3611,  
0.4089

74.6743, 0.3308,  
0.3588

72.1891, 0.3754,  
0.4326

75.8050, 0.3158,  
0.3341

71.6383, 0.3884,  
0.4541

77.0980, 0.3015,  
0.3104

71.2124, 0.3995,  
0.4724

77.8002, 0.2947,  
0.2992

70.9014, 0.4083,  
0.4869

77.8044, 0.2947,  
0.2992

70.6941, 0.4144,  
0.4971

77.8086, 0.2947,  
0.2992

70.5769, 0.4180,  
0.5029

77.8129, 0.2947,  
0.2992

70.5304, 0.4194,  
0.5052

77.8171, 0.2947,  
0.2993

77.8213, 0.2947,  
0.2993

# Harmonies

## Analogous

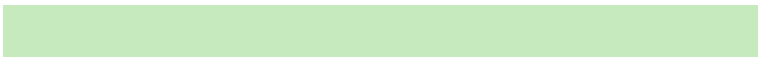
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6961, 0.3676, 0.3734



73.6961, 0.3460, 0.3840



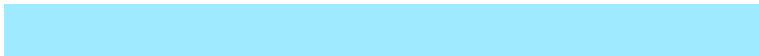
73.6961, 0.3161, 0.3787

# Triad

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



73.6961, 0.3460, 0.3840



73.6961, 0.2548, 0.3013



73.6961, 0.3383, 0.3024

# Complementary

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



73.6961, 0.3460, 0.3840



45.7984, 0.2754, 0.2674

# Split Complementary

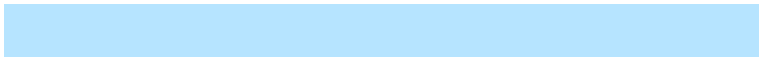
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.6961, 0.3069, 0.2851



73.6961, 0.3460, 0.3840



73.6961, 0.2599, 0.2834

# Square

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



73.6961, 0.3460, 0.3840



73.6961, 0.2642, 0.3286



73.6961, 0.2785, 0.2781



73.6961, 0.3634, 0.3263



# Rectangle

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



73.6961, 0.3460, 0.3840



73.6961, 0.2957, 0.3662



73.6961, 0.2785, 0.2781



73.6961, 0.3280, 0.2957

# Sweetspot

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



73.6994, 0.3460, 0.3840



98.8993, 0.3231, 0.3462



50.4058, 0.3569, 0.3282



21.1493, 0.3240, 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.



73.6994, 0.3460, 0.3840



96.3165, 0.3537, 0.3967



70.0744, 0.3281, 0.3873



16.0287, 0.3267, 0.3521



40.2317, 0.4194, 0.5052



2.7889, 0.4194, 0.5052



# Inverse Universe

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



45.7984, 0.2754, 0.2674



52.8689, 0.2655, 0.2510



48.8632, 0.2942, 0.2706



13.2441, 0.2980, 0.3048



3.1339, 0.1500, 0.0600

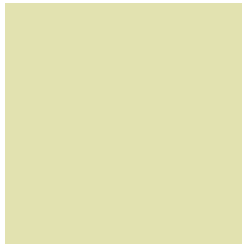


0.2175, 0.1500, 0.0601



# Previews

## White Background



This preview shows how the Yxy color 73.6961, 0.3460, 0.3840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

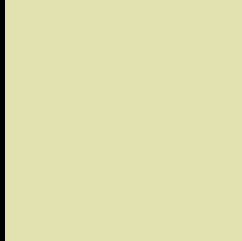
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.6961, 0.3460, 0.3840 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

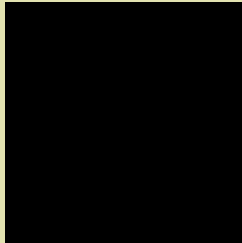
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

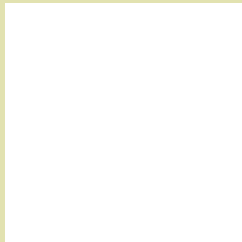
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.6961, 0.3460, 0.3840**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.6961, 0.3460, 0.3840.



This preview shows how white text looks on a background with the Yxy color 73.6961, 0.3460, 0.3840.

# 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

73.6961, 0.3460, 0.3840

### Protanopia

73.3031, 0.3567, 0.3807

### Deuteranopia

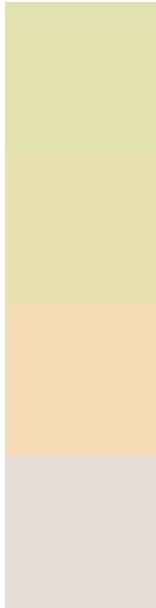
73.3637, 0.3646, 0.3600



## Tritanopia

73.6334, 0.3128, 0.3113

# Trichromacy



## Original Color

73.6961, 0.3460, 0.3840

## Protanomaly

73.1941, 0.3527, 0.3811

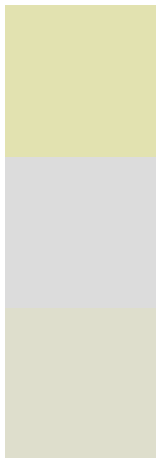
## Deuteranomaly

73.2735, 0.3572, 0.3682

## Tritanomaly

73.5569, 0.3246, 0.3365

# Monochromacy



## Original Color

73.6961, 0.3460, 0.3840

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

72.1318, 0.3247, 0.3488

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.6961, 0.3460, 0.3840 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, 226, 176)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 176)  
}
```

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, 226, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 73.6961, 0.3460, 0.3840 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, 226, 176) }
```

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

```
.border{ border-color:rgb(226, 226, 176) }
```

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

Here you see how a box with a 4 pixel rgb(226, 226, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 176);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.6961, 0.3460, 0.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 176) }
```

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

```
.background{ background-color: rgb(226,  
226, 176) }
```

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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