

# Converting Colors

$Yxy(73.9791, 0.3529, 0.3962)$

Have a look what the booklet for  
Yxy(73.9791, 0.3529, 0.3962)  
contains.

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# Color

**Yxy(74.0222, 0.3532, 0.3960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E3A6
RGB	227, 227, 166
RGB Percent	89%, 89%, 65%
CMY	0.1099, 0.1097, 0.3490
CMYK	0.00, 0.00, 0.27, 0.11
HSL	60°, 52%, 77%
HSV	60°, 27%, 89%
XYZ	66.0218, 74.0222, 46.8807
YIQ	220.0460, 19.5810, -18.9710

# Conversions

## Conversions Part 2

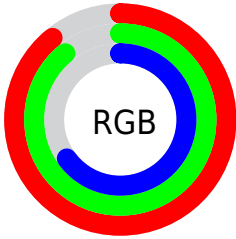
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 227, 166
Decimal	14934950
CIE <sub>Lab</sub>	88.93, -9.48, 29.90
CIE <sub>LCh</sub>	89, 31.365, 107.602
Yxy	74.0222, 0.3532, 0.3960
Android (android.graphics.Color)	4293125030 (0xFFE3E3A6)
YUV	220.0460, -26.6447, 6.0987
Hunter-Lab	86.0362, -13.5872, 27.9184

# Details

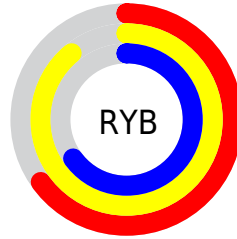
The Yxy color **74.0222, 0.3532, 0.3960** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.9294, 0.2661, 0.2519**, and the grayscale version is **71.7815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **39.3779, 0.3615, 0.4116** is the 20% darker color. If you saturate the color by 10%, you get **73.2615, 0.3680, 0.4205**, and if you desaturate by 10%, it is **74.9366, 0.3380, 0.3708**.

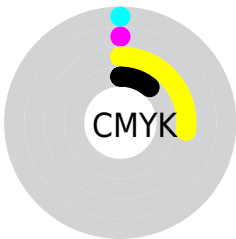
# Distribution



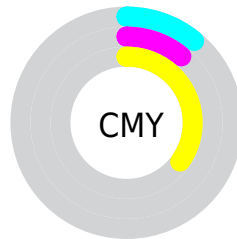
- Red (89%)
- Green (89%)
- Blue (65%)



- Red (65%)
- Yellow (89%)
- Blue (65%)



- Cyan (0%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)




- Cyan (11%)
- Magenta (11%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.0222, 0.3532, 0.3960 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 74.0222, 0.3532, 0.3960 by changing the saturation by 10% instead.





 74.0222, 0.3532,  
0.3960

 74.0222, 0.3532,  
0.3960


474.5500, 0.3350,  
0.3647

 54.8122, 0.3572,  
0.4032


 124.9273, 0.3470,  
0.3851

 39.2514, 0.3619,  
0.4120

 157.3912, 0.3446,  
0.3809

 26.9553, 0.3677,  
0.4231


195.0418, 0.3425,  
0.3773

 17.5397, 0.3750,  
0.4375

238.2636, 0.3406,  
0.3741

 10.6200, 0.3840,  
0.4567

287.4409, 0.3390,  
0.3713

 5.8119, 0.3950,  
0.4832

342.9581, 0.3375,

 2.7311, 0.4222,

0.3688

0.5399

405.1997, 0.3362,  
0.3667

0.9930, 0.4164,  
0.5836

0.0000, 0.0000,  
0.0000

74.0222, 0.3532,  
0.3960

74.0222, 0.3532,  
0.3960

73.2615, 0.3680,  
0.4205

74.9366, 0.3380,  
0.3708

72.6368, 0.3817,  
0.4432

76.0019, 0.3229,  
0.3458

72.1430, 0.3939,  
0.4634

77.2281, 0.3082,  
0.3215

71.7707, 0.4039,  
0.4800

78.5049, 0.2954,  
0.3003

■ 71.5094, 0.4114,  
0.4924

■ 78.5080, 0.2954,  
0.3003

■ 71.3466, 0.4163,  
0.5005

■ 78.5112, 0.2954,  
0.3003

■ 71.2664, 0.4187,  
0.5046

■ 78.5143, 0.2954,  
0.3003

■ 71.2499, 0.4192,  
0.5054

■ 78.5174, 0.2954,  
0.3003

■ 78.5205, 0.2954,  
0.3003

# Harmonies

## Analogous

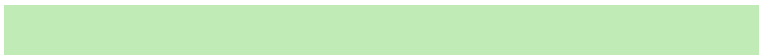
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.0222, 0.3796, 0.3820



74.0222, 0.3532, 0.3960



74.0222, 0.3169, 0.3904

# Triad

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



74.0222, 0.3532, 0.3960



74.0222, 0.2431, 0.2953



74.0222, 0.3431, 0.2966

# Complementary

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



74.0222, 0.3532, 0.3960



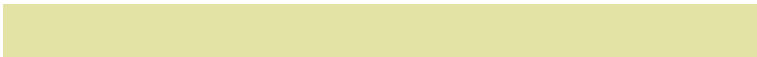
40.9294, 0.2661, 0.2519

# Split Complementary

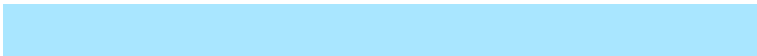
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.0222, 0.3049, 0.2762



74.0222, 0.3532, 0.3960



74.0222, 0.2490, 0.2740

# Square

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



74.0222, 0.3532, 0.3960



74.0222, 0.2544, 0.3286



74.0222, 0.2709, 0.2678



74.0222, 0.3742, 0.3249



# Rectangle

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



74.0222, 0.3532, 0.3960



74.0222, 0.2922, 0.3751



74.0222, 0.2709, 0.2678



74.0222, 0.3306, 0.2886

# Sweetspot

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



74.0255, 0.3532, 0.3960



98.7518, 0.3246, 0.3487



46.3570, 0.3707, 0.3292



21.0900, 0.3269, 0.3525



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.



74.0255, 0.3532, 0.3960



95.7996, 0.3612, 0.4092



69.5039, 0.3305, 0.4012



16.8166, 0.3267, 0.3522



41.5466, 0.4192, 0.5054



3.0703, 0.4192, 0.5054



# Inverse Universe

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



40.9294, 0.2661, 0.2519



46.1985, 0.2553, 0.2339



44.6211, 0.2902, 0.2569



13.8878, 0.2980, 0.3047



3.2354, 0.1500, 0.0600

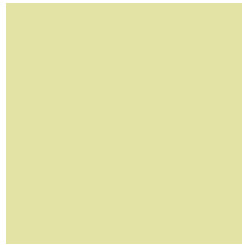


0.2393, 0.1501, 0.0601



# Previews

## White Background



This preview shows how the Yxy color 74.0222, 0.3532, 0.3960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

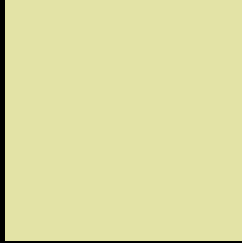
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.0222, 0.3532, 0.3960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

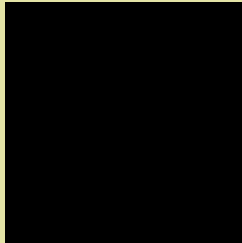
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.0222, 0.3532, 0.3960**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.0222, 0.3532, 0.3960.



This preview shows how white text looks on a background with the Yxy color 74.0222, 0.3532, 0.3960.

# 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

74.0222, 0.3532, 0.3960

### Protanopia

73.9810, 0.3657, 0.3919

### Deuteranopia

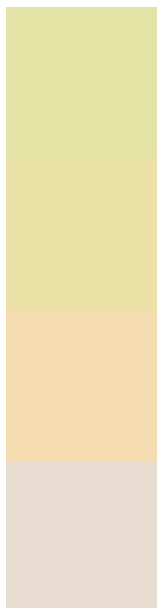
73.7491, 0.3665, 0.3641



## Tritanopia

73.9738, 0.3143, 0.3114

# Trichromacy



## Original Color

74.0222, 0.3532, 0.3960

## Protanomaly

73.6901, 0.3608, 0.3927

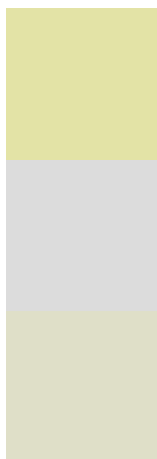
## Deuteranomaly

73.7335, 0.3620, 0.3755

## Tritanomaly

73.6897, 0.3288, 0.3408

# Monochromacy



## Original Color

74.0222, 0.3532, 0.3960

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

72.6335, 0.3280, 0.3543

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.0222, 0.3532, 0.3960 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(227, 227, 166)` looks like.

```
.text, #text, p{  
    color:rgb(227, 227, 166)  
}
```

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(227, 227, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 227, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 74.0222, 0.3532, 0.3960 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(227, 227, 166) }
```

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

```
.border{ border-color:rgb(227, 227, 166) }
```

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

Here you see how a box with a 4 pixel rgb(227, 227, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 227, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 227, 166);  
box-shadow:4px 4px 4px 4px rgb(227, 227,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.0222, 0.3532, 0.3960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 227, 166) }
```

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

```
.background{ background-color: rgb(227,  
227, 166) }
```

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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