

# Converting Colors

$Yxy(74.4774, 0.3499, 0.3911)$

Have a look what the booklet for  
Yxy(74.4774, 0.3499, 0.3911)  
contains.

<b>Yxy(74.2093, 0.3499, 0.3905)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(74.2093, 0.3499, 0.3905)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E3AB
RGB	227, 227, 171
RGB Percent	89%, 89%, 67%
CMY	0.1098, 0.1098, 0.3295
CMYK	0.00, 0.00, 0.25, 0.11
HSL	60°, 50%, 78%
HSV	60°, 25%, 89%
XYZ	66.4938, 74.2093, 49.3335
YIQ	220.6160, 17.9760, -17.4160

# Conversions

## Conversions Part 2

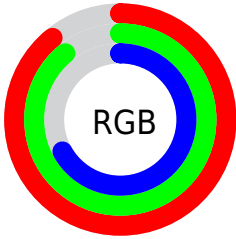
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 227, 171
Decimal	14934955
CIE <sub>Lab</sub>	89.02, -8.81, 27.46
CIE <sub>LCh</sub>	89, 28.839, 107.794
Yxy	74.2093, 0.3499, 0.3905
Android (android.graphics.Color)	4293125035 (0xFFE3E3AB)
YUV	220.6160, -24.4607, 5.5988
Hunter-Lab	86.1448, -12.9721, 26.3471

# Details

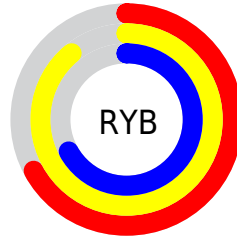
The Yxy color **74.2093, 0.3499, 0.3905** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.3202, 0.2704, 0.2591**, and the grayscale version is **72.1878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **39.4710, 0.3582, 0.4060** is the 20% darker color. If you saturate the color by 10%, you get **73.4188, 0.3648, 0.4152**, and if you desaturate by 10%, it is **75.1551, 0.3347, 0.3653**.

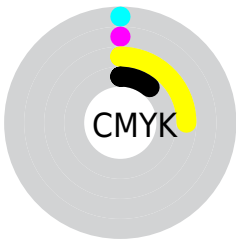
# Distribution



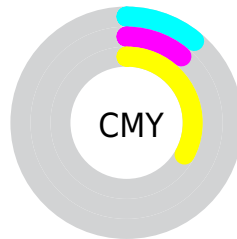
- Red (89%)
- Green (89%)
- Blue (67%)



- Red (67%)
- Yellow (89%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (25%)
- Black (11%)




- Cyan (11%)
- Magenta (11%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.2093, 0.3499, 0.3905 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 74.2093, 0.3499, 0.3905 by changing the saturation by 10% instead.




 74.2093, 0.3499,  
0.3905

 74.2093, 0.3499,  
0.3905


475.1954, 0.3332,  
0.3618

 54.9654, 0.3536,  
0.3971


 125.1925, 0.3442,  
0.3805

 39.3740, 0.3580,  
0.4052


157.7005, 0.3420,  
0.3766

 27.0508, 0.3635,  
0.4154


195.3986, 0.3400,  
0.3733

 17.6114, 0.3703,  
0.4288

238.6713, 0.3383,  
0.3704

 10.6713, 0.3789,  
0.4466

287.9030, 0.3368,  
0.3678

 5.8463, 0.3899,  
0.4716

343.4779, 0.3354,

 2.7518, 0.4113,

0.3656

0.5184

405.7806, 0.3342,  
0.3636

■ 1.0036, 0.4225,  
0.5775

■ 0.0000, 0.0000,  
0.0000

■ 74.2093, 0.3499,  
0.3905

■ 74.2093, 0.3499,  
0.3905

■ 73.4188, 0.3648,  
0.4152

■ 75.1551, 0.3347,  
0.3653

■ 72.7660, 0.3789,  
0.4384

■ 76.2534, 0.3196,  
0.3404

■ 72.2460, 0.3914,  
0.4592

■ 77.5140, 0.3051,  
0.3164

■ 71.8496, 0.4020,  
0.4767

■ 78.4987, 0.2954,  
0.3003

 71.5667, 0.4101,  
0.4900

 78.5001, 0.2954,  
0.3003

 71.3852, 0.4155,  
0.4991


 78.5014, 0.2954,  
0.3003

 71.2906, 0.4184,  
0.5039

 78.5028, 0.2954,  
0.3003

 71.2632, 0.4193,  
0.5053

 78.5041, 0.2954,  
0.3003

 78.5055, 0.2954,  
0.3003

# Harmonies

## Analogous

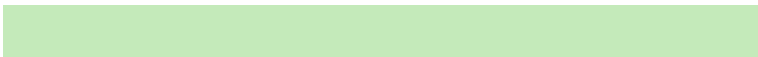
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2093, 0.3741, 0.3781



74.2093, 0.3499, 0.3905



74.2093, 0.3165, 0.3850

# Triad

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



74.2093, 0.3499, 0.3905



74.2093, 0.2485, 0.2981



74.2093, 0.3409, 0.2992

# Complementary

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



74.2093, 0.3499, 0.3905



43.3202, 0.2704, 0.2591

# Split Complementary

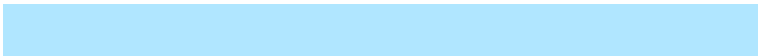
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.2093, 0.3059, 0.2802



74.2093, 0.3499, 0.3905



74.2093, 0.2540, 0.2783

# Square

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



74.2093, 0.3499, 0.3905



74.2093, 0.2588, 0.3286



74.2093, 0.2744, 0.2725



74.2093, 0.3692, 0.3256



# Rectangle

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



74.2093, 0.3499, 0.3905



74.2093, 0.2938, 0.3709



74.2093, 0.2744, 0.2725



74.2093, 0.3294, 0.2919

# Sweetspot

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



74.2126, 0.3499, 0.3905



98.9020, 0.3231, 0.3462



48.3881, 0.3645, 0.3292



21.1499, 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.



74.2126, 0.3499, 0.3905



96.0092, 0.3582, 0.4042



70.0244, 0.3291, 0.3948



16.8170, 0.3268, 0.3522



41.5566, 0.4193, 0.5053



3.0710, 0.4193, 0.5053



# Inverse Universe

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



43.3202, 0.2704, 0.2591



48.7877, 0.2594, 0.2408



46.8039, 0.2924, 0.2633



13.8875, 0.2980, 0.3047



3.2349, 0.1500, 0.0600

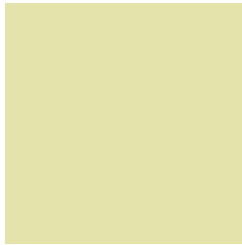


0.2391, 0.1501, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 74.2093, 0.3499, 0.3905 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

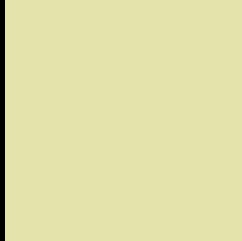
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.2093, 0.3499, 0.3905 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

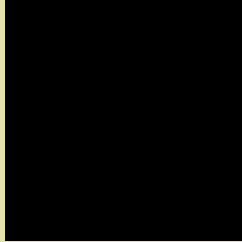
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

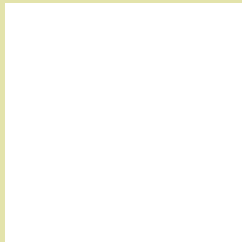
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.2093, 0.3499, 0.3905**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.2093, 0.3499, 0.3905.



This preview shows how white text looks on a background with the Yxy color 74.2093, 0.3499, 0.3905.

# 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

74.2093, 0.3499, 0.3905

### Protanopia

73.9906, 0.3614, 0.3868

### Deuteranopia

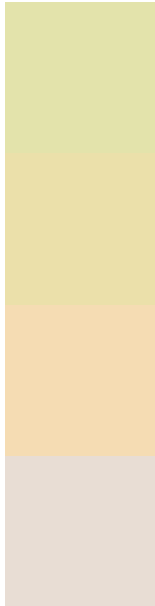
73.8324, 0.3650, 0.3620



## Tritanopia

73.8611, 0.3129, 0.3103

# Trichromacy



## Original Color

74.2093, 0.3499, 0.3905

## Protanomaly

73.8758, 0.3574, 0.3873

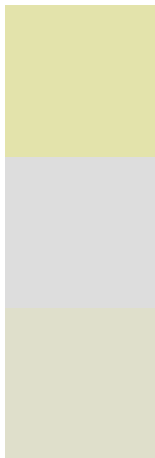
## Deuteranomaly

73.8535, 0.3598, 0.3723

## Tritanomaly

73.6222, 0.3267, 0.3387

# Monochromacy



## Original Color

74.2093, 0.3499, 0.3905

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.7751, 0.3260, 0.3510

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.2093, 0.3499, 0.3905 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(227, 227, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 227, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 74.2093, 0.3499, 0.3905 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, 171) }
```

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

```
.border{ border-color:rgb(227, 227, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 227, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 227, 171); box-shadow:4px 4px 4px 4px rgb(227, 227, 171) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.2093, 0.3499, 0.3905 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, 171) }
```

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

```
.background{ background-color: rgb(227,  
227, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor