

# Converting Colors

$Yxy(74.3402, 0.3492, 0.3819)$

Have a look what the booklet for  
Yxy(74.3402, 0.3492, 0.3819)  
contains.

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# Color

**Yxy(74.5560, 0.3491, 0.3823)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7E2B1
RGB	231, 226, 177
RGB Percent	91%, 89%, 69%
CMY	0.0942, 0.1137, 0.3060
CMYK	0.00, 0.02, 0.23, 0.09
HSL	54°, 53%, 80%
HSV	54°, 23%, 91%
XYZ	68.0813, 74.5560, 52.3823
YIQ	221.9090, 18.7090, -14.1790

# Conversions

## Conversions Part 2

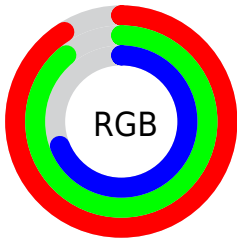
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 231, 177
Decimal	15196849
CIE <sub>Lab</sub>	89.18, -6.01, 24.64
CIE <sub>LCh</sub>	89, 25.363, 103.712
Yxy	74.5560, 0.3491, 0.3823
Android (android.graphics.Color)	4293386929 (0xFFE7E2B1)
YUV	221.9090, -22.1401, 7.9728
Hunter-Lab	86.3458, -10.3627, 24.4734

# Details

The Yxy color **74.5560, 0.3491, 0.3823** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.5465, 0.2734, 0.2694**, and the grayscale version is **73.1279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **39.6950, 0.3573, 0.3953** is the 20% darker color. If you saturate the color by 10%, you get **72.5654, 0.3653, 0.4053**, and if you desaturate by 10%, it is **76.7235, 0.3331, 0.3591**.

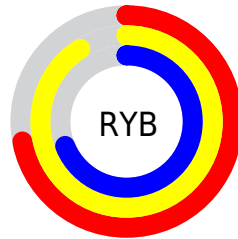
# Distribution



Red (91%)

Green (89%)

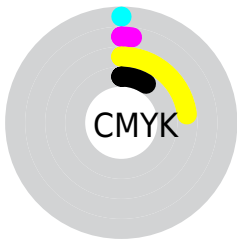
Blue (69%)



Red (72%)

Yellow (91%)

Blue (69%)

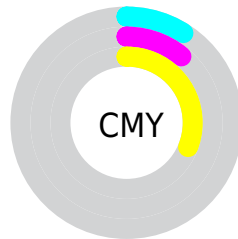


Cyan (0%)

Magenta (2%)

Yellow (23%)

Black (9%)



Cyan (9%)

Magenta (11%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5560, 0.3491, 0.3823 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 74.5560, 0.3491, 0.3823 by changing the saturation by 10% instead.




 74.5560, 0.3491,  
0.3823

 74.5560, 0.3491,  
0.3823

476.3901, 0.3326,  
0.3575

 55.2492, 0.3528,  
0.3880

 125.6837, 0.3435,  
0.3737

 39.6013, 0.3572,  
0.3949


158.2733, 0.3412,  
0.3704

 27.2278, 0.3628,  
0.4037


196.0594, 0.3393,  
0.3675

 17.7444, 0.3698,  
0.4151

239.4264, 0.3376,  
0.3650

 10.7666, 0.3789,  
0.4304

288.7585, 0.3361,  
0.3628

 5.9101, 0.3909,  
0.4518

344.4402, 0.3348,

 2.7905, 0.4100,

0.3608

0.4870

406.8560, 0.3336,  
0.3591

■ 1.0234, 0.4447,  
0.5553

■ 0.0000, 0.0000,  
0.0000

■ 74.5560, 0.3491,  
0.3823

■ 74.5560, 0.3491,  
0.3823

■ 72.5654, 0.3653,  
0.4053

■ 76.7235, 0.3331,  
0.3591

■ 70.7338, 0.3811,  
0.4273

■ 79.0653, 0.3177,  
0.3365

■ 69.0559, 0.3960,  
0.4473

■ 81.5916, 0.3032,  
0.3148

■ 67.5224, 0.4092,  
0.4643

■ 83.3486, 0.2980,  
0.3083

66.1226, 0.4202,  
0.4774

84.5704, 0.2980,  
0.3105

64.8442, 0.4286,  
0.4862

85.8069, 0.2980,  
0.3126

63.6725, 0.4342,  
0.4905

87.0580, 0.2980,  
0.3148

62.9405, 0.4367,  
0.4915

88.3239, 0.2981,  
0.3170

89.6044, 0.2981,  
0.3191

# Harmonies

## Analogous

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



74.5560, 0.3685, 0.3700



74.5560, 0.3491, 0.3823



74.5560, 0.3204, 0.3795

# Triad

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



74.5560, 0.3491, 0.3823



74.5560, 0.2564, 0.3053



74.5560, 0.3335, 0.2999

# Complementary

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



74.5560, 0.3491, 0.3823



48.5465, 0.2734, 0.2694

# Split Complementary

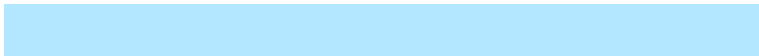
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.5560, 0.3027, 0.2842



74.5560, 0.3491, 0.3823



74.5560, 0.2593, 0.2861

# Square

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



74.5560, 0.3491, 0.3823



74.5560, 0.2675, 0.3328



74.5560, 0.2759, 0.2790



74.5560, 0.3596, 0.3228

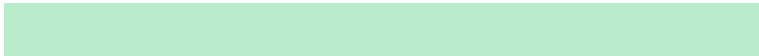


# Rectangle

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



74.5560, 0.3491, 0.3823



74.5560, 0.3002, 0.3686



74.5560, 0.2759, 0.2790



74.5560, 0.3233, 0.2937

# Sweetspot

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



74.5593, 0.3491, 0.3823



97.8590, 0.3233, 0.3447



51.8130, 0.3563, 0.3230



20.9075, 0.3242, 0.3460



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.



74.5593, 0.3491, 0.3823



92.1009, 0.3568, 0.3933



73.9280, 0.3322, 0.3904



16.5783, 0.3270, 0.3501



35.3877, 0.4364, 0.4917



2.6816, 0.4336, 0.4939



# Inverse Universe

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



48.5465, 0.2734, 0.2694



54.2634, 0.2643, 0.2553



49.2868, 0.2894, 0.2662



14.0994, 0.2980, 0.3070



3.6181, 0.1518, 0.0663

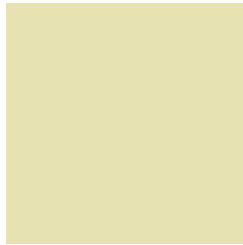


0.3410, 0.1562, 0.0821



# Previews

## White Background



This preview shows how the Yxy color 74.5560, 0.3491, 0.3823 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

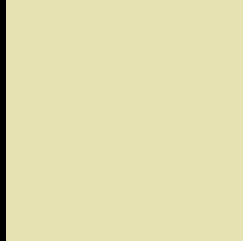
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.5560, 0.3491, 0.3823 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

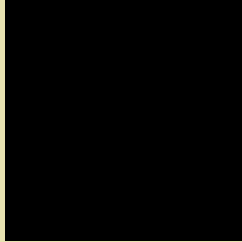
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

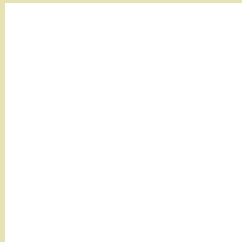
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.5560, 0.3491, 0.3823**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.5560, 0.3491, 0.3823.



This preview shows how white text looks on a background with the Yxy color 74.5560, 0.3491, 0.3823.

# 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

74.5560, 0.3491, 0.3823

### Protanopia

74.6230, 0.3556, 0.3804

### Deuteranopia

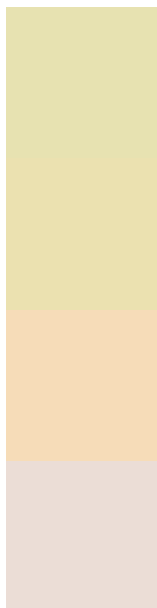
74.5165, 0.3618, 0.3589



## Tritanopia

74.3181, 0.3157, 0.3115

# Trichromacy



## Original Color

74.5560, 0.3491, 0.3823

## Protanomaly

74.6472, 0.3530, 0.3818

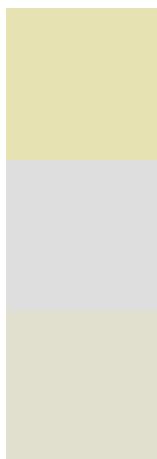
## Deuteranomaly

74.2399, 0.3570, 0.3669

## Tritanomaly

74.2301, 0.3275, 0.3365

# Monochromacy



## Original Color

74.5560, 0.3491, 0.3823

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.2391, 0.3254, 0.3475

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.5560, 0.3491, 0.3823 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(231, 226, 177)` looks like.

```
.text, #text, p{  
    color:rgb(231, 226, 177)  
}
```

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(231, 226, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 226, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 74.5560, 0.3491, 0.3823 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(231, 226, 177) }
```

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

```
.border{ border-color:rgb(231, 226, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 226, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 226, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 226, 177);  
box-shadow:4px 4px 4px 4px rgb(231, 226,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.5560, 0.3491, 0.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 226, 177) }
```

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

```
.background{ background-color: rgb(231,  
226, 177) }
```

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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