

# Converting Colors

$Yxy(74.7368, 0.3648, 0.4174)$

Have a look what the booklet for  
Yxy(74.7368, 0.3648, 0.4174)  
contains.

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# Color

**Yxy(74.6707, 0.3651, 0.4171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E594
RGB	228, 229, 148
RGB Percent	89%, 90%, 58%
CMY	0.1059, 0.1019, 0.4195
CMYK	0.00, 0.00, 0.35, 0.10
HSL	61°, 61%, 74%
HSV	61°, 35%, 90%
XYZ	65.3615, 74.6707, 38.9913
YIQ	219.4670, 25.4050, -25.4030

# Conversions

## Conversions Part 2

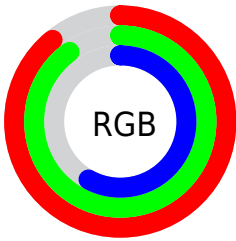
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 229, 149
Decimal	15000980
CIE <sub>Lab</sub>	89.24, -12.28, 39.42
CIE <sub>LCh</sub>	89, 41.290, 107.307
Yxy	74.6707, 0.3651, 0.4171
Android (android.graphics.Color)	4293191060 (0xFFE4E594)
YUV	219.4670, -35.2332, 7.4834
Hunter-Lab	86.4122, -16.2054, 33.7354

# Details

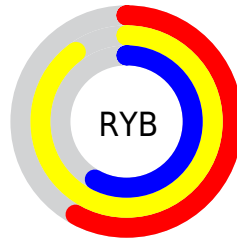
The Yxy color **74.6707, 0.3651, 0.4171** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.2339, 0.2493, 0.2231**, and the grayscale version is **71.4193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **39.7746, 0.3751, 0.4382** is the 20% darker color. If you saturate the color by 10%, you get **73.9729, 0.3788, 0.4404**, and if you desaturate by 10%, it is **75.5188, 0.3504, 0.3924**.

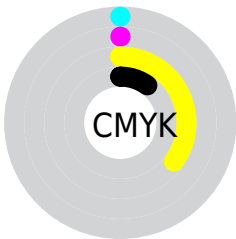
# Distribution



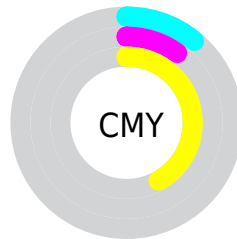
- Red (89%)
- Green (90%)
- Blue (58%)



- Red (58%)
- Yellow (90%)
- Blue (58%)



- Cyan (0%)
- Magenta (0%)
- Yellow (35%)
- Black (10%)




- Cyan (11%)
- Magenta (10%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6707, 0.3651, 0.4171 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 74.6707, 0.3651, 0.4171 by changing the saturation by 10% instead.



 74.6707, 0.3651,  
0.4171


 74.6707, 0.3651,  
0.4171


476.7850, 0.3421,  
0.3761

 55.3432, 0.3699,  
0.4263


 125.8461, 0.3574,  
0.4029

 39.6765, 0.3756,  
0.4376


 158.4628, 0.3543,  
0.3974

 27.2864, 0.3824,  
0.4517


196.2779, 0.3516,  
0.3926

 17.7885, 0.3903,  
0.4696

239.6760, 0.3493,  
0.3885

 10.7982, 0.3994,  
0.4926

289.0413, 0.3472,  
0.3848

 5.9313, 0.4091,  
0.5232

344.7583, 0.3453,

 2.8034, 0.4246,

0.3816

0.5754

407.2114, 0.3436,  
0.3787

■ 1.0300, 0.3949,  
0.6051

■ 0.0000, 0.0000,  
0.0000

■ 74.6707, 0.3651,  
0.4171

■ 74.6707, 0.3651,  
0.4171

■ 73.9729, 0.3788,  
0.4404

■ 75.5188, 0.3504,  
0.3924

■ 73.4067, 0.3911,  
0.4612


■ 76.5149, 0.3354,  
0.3671

■ 72.9662, 0.4012,  
0.4786

■ 77.6696, 0.3205,  
0.3421

■ 72.6407, 0.4089,  
0.4920


■ 78.9896, 0.3061,  
0.3180

 72.4179, 0.4140,  
0.5009


 79.9875, 0.2969,  
0.3025


 72.2827, 0.4165,  
0.5057

 80.0341, 0.2971,  
0.3025

 72.2382, 0.4172,  
0.5070

 80.0808, 0.2973,  
0.3025

 80.1276, 0.2975,  
0.3026

 80.1745, 0.2977,  
0.3026

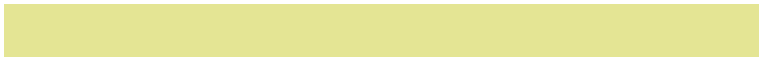
# Harmonies

## Analogous

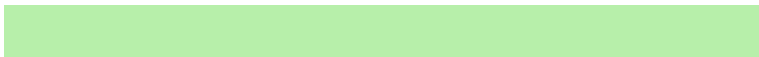
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6707, 0.4000, 0.3966



74.6707, 0.3651, 0.4171



74.6707, 0.3177, 0.4114

# Triad

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



74.6707, 0.3651, 0.4171



74.6707, 0.2233, 0.2844



74.6707, 0.3518, 0.2868

# Complementary

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



74.6707, 0.3651, 0.4171



33.2339, 0.2493, 0.2231

# 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.



74.6707, 0.3015, 0.2612



74.6707, 0.3651, 0.4171



74.6707, 0.2305, 0.2576

# Square

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



74.6707, 0.3651, 0.4171



74.6707, 0.2373, 0.3280



74.6707, 0.2579, 0.2504



74.6707, 0.3933, 0.3223



# Rectangle

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



74.6707, 0.3651, 0.4171



74.6707, 0.2857, 0.3911



74.6707, 0.2579, 0.2504



74.6707, 0.3351, 0.2768

# Sweetspot

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



74.6741, 0.3651, 0.4171



98.2577, 0.3290, 0.3563



39.9827, 0.3974, 0.3293



20.9890, 0.3310, 0.3597



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.



74.6741, 0.3651, 0.4171



94.6651, 0.3747, 0.4333



68.9358, 0.3355, 0.4265



16.8077, 0.3266, 0.3522



41.3049, 0.4172, 0.5069



3.0552, 0.4175, 0.5067



# Inverse Universe

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



33.2339, 0.2493, 0.2231



34.7789, 0.2346, 0.1987



37.5991, 0.2812, 0.2318



13.8956, 0.2982, 0.3047



3.2487, 0.1504, 0.0602

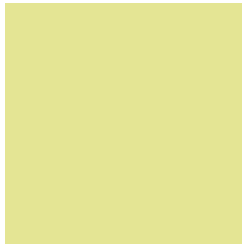


0.2431, 0.1515, 0.0608



# Previews

## White Background



This preview shows how the Yxy color 74.6707, 0.3651, 0.4171 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 74.6707, 0.3651, 0.4171 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

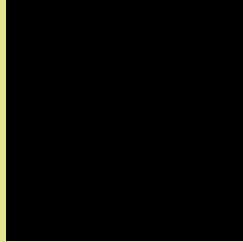
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.6707, 0.3651, 0.4171**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6707, 0.3651, 0.4171.



This preview shows how white text looks on a background with the Yxy color 74.6707, 0.3651, 0.4171.

# 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

74.6707, 0.3651, 0.4171

### Protanopia

74.4413, 0.3798, 0.4109

### Deuteranopia

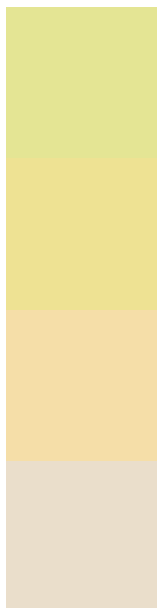
74.6575, 0.3681, 0.3692



## Tritanopia

74.3181, 0.3157, 0.3115

# Trichromacy



## Original Color

74.6707, 0.3651, 0.4171

## Protanomaly

74.6764, 0.3745, 0.4129

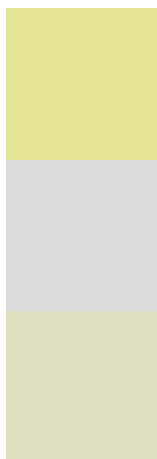
## Deuteranomaly

74.4822, 0.3670, 0.3859

## Tritanomaly

74.0468, 0.3342, 0.3494

# Monochromacy



## Original Color

74.6707, 0.3651, 0.4171

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

72.1552, 0.3320, 0.3622

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6707, 0.3651, 0.4171 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(228, 229, 148)` looks like.

```
.text, #text, p{  
    color:rgb(228, 229, 148)  
}
```

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(228, 229, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 229, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6707, 0.3651, 0.4171 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(228, 229, 148) }
```

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

```
.border{ border-color:rgb(228, 229, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 229, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 229, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 229, 148);  
box-shadow:4px 4px 4px 4px rgb(228, 229,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6707, 0.3651, 0.4171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 229, 148) }
```

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

```
.background{ background-color: rgb(228,  
229, 148) }
```

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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