

# Converting Colors

Yxy(71.1628, 0.3724, 0.4198)

Have a look what the booklet for  
Yxy(71.1628, 0.3724, 0.4198)  
contains.

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# Color

**Yxy(71.1628, 0.3724, 0.4198)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4DF8C
RGB	228, 223, 140
RGB Percent	89%, 87%, 55%
CMY	0.1057, 0.1255, 0.4509
CMYK	0.00, 0.02, 0.39, 0.11
HSL	57°, 62%, 72%
HSV	57°, 39%, 89%
XYZ	63.1277, 71.1628, 35.2254
YIQ	215.0330, 29.6230, -24.7530

# Conversions

## Conversions Part 2

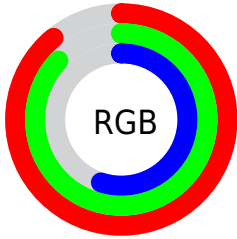
Format	Color
<a href="#">RYB</a>	<a href="#">145, 228, 140</a>
Decimal	<a href="#">14999436</a>
CIELab	<a href="#">87.56, -10.15, 41.26</a>
CIElCh	<a href="#">88, 42.492, 103.822</a>
Yxy	<a href="#">71.1628, 0.3724, 0.4198</a>
Android (android.graphics.Color)	<a href="#">4293189516 (0xFFE4DF8C)</a>
YUV	<a href="#">215.0330, -36.9913, 11.3721</a>
Hunter-Lab	<a href="#">84.3580, -14.0495, 34.2929</a>

# Details

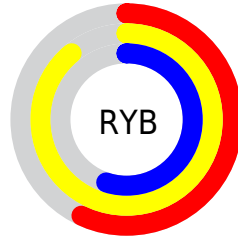
The Yxy color **71.1628, 0.3724, 0.4198** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.4535, 0.2427, 0.2183**, and the grayscale version is **68.2254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **37.3678, 0.3846, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **69.8646, 0.3871, 0.4414**, and if you desaturate by 10%, it is **72.6123, 0.3569, 0.3966**.

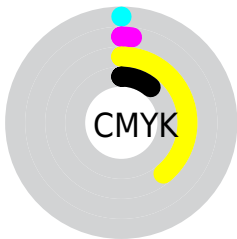
# Distribution



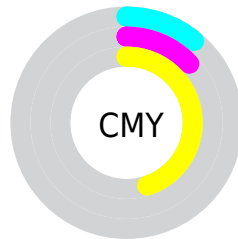
- Red (89%)
- Green (87%)
- Blue (55%)



- Red (57%)
- Yellow (89%)
- Blue (55%)



- Cyan (0%)
- Magenta (2%)
- Yellow (39%)
- Black (11%)




- Cyan (11%)
- Magenta (13%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1628, 0.3724, 0.4198 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 71.1628, 0.3724, 0.4198 by changing the saturation by 10% instead.




 71.1628, 0.3724,  
0.4198

 71.1628, 0.3724,  
0.4198


464.6223, 0.3459,  
0.3775


 52.4751, 0.3780,  
0.4293


 120.8655, 0.3635,  
0.4052

 37.3839, 0.3846,  
0.4409


 152.6493, 0.3600,  
0.3995

 25.5049, 0.3925,  
0.4553


 189.5671, 0.3569,  
0.3946

 16.4536, 0.4017,  
0.4733

232.0036, 0.3541,  
0.3903

 9.8457, 0.4122,  
0.4963

280.3429, 0.3517,  
0.3865

 5.2968, 0.4263,  
0.5299

334.9695, 0.3495,

 2.4224, 0.4331,

0.3831

0.5669

396.2679, 0.3476,  
0.3802

0.8374, 0.3956,  
0.6044

0.0000, 0.0000,  
0.0000

71.1628, 0.3724,  
0.4198

71.1628, 0.3724,  
0.4198

69.8646, 0.3871,  
0.4414

72.6123, 0.3569,  
0.3966

68.6992, 0.4003,  
0.4603


74.2114, 0.3411,  
0.3727

67.6603, 0.4115,  
0.4758


75.9706, 0.3256,  
0.3489

66.7369, 0.4201,  
0.4870


77.8967, 0.3107,  
0.3258

 65.9161, 0.4260,  
0.4938

 79.9962, 0.2966,  
0.3039

 65.1785, 0.4294,  
0.4966

 80.7874, 0.2961,  
0.3044

 65.0782, 0.4299,  
0.4969

 81.5224, 0.2961,  
0.3057

 82.2629, 0.2961,  
0.3071

 83.0089, 0.2961,  
0.3084

# Harmonies

## Analogous

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



71.1628, 0.4067, 0.3956



71.1628, 0.3724, 0.4198



71.1628, 0.3237, 0.4178

# Triad

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



71.1628, 0.3724, 0.4198



71.1628, 0.2201, 0.2867



71.1628, 0.3475, 0.2812

# Complementary

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



71.1628, 0.3724, 0.4198



31.4535, 0.2427, 0.2183

# 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.



71.1628, 0.2950, 0.2562



71.1628, 0.3724, 0.4198



71.1628, 0.2251, 0.2567

# Square

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



71.1628, 0.3724, 0.4198



71.1628, 0.2372, 0.3338



71.1628, 0.2512, 0.2470



71.1628, 0.3931, 0.3172



# Rectangle

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



71.1628, 0.3724, 0.4198



71.1628, 0.2899, 0.3988



71.1628, 0.2512, 0.2470



71.1628, 0.3299, 0.2714

# Sweetspot

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



71.1660, 0.3724, 0.4198



97.0678, 0.3309, 0.3571



37.3345, 0.4021, 0.3224



20.7122, 0.3330, 0.3602



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.



71.1660, 0.3724, 0.4198



90.3846, 0.3838, 0.4366



68.3398, 0.3416, 0.4347



16.6679, 0.3269, 0.3509



37.6227, 0.4297, 0.4970



2.8236, 0.4280, 0.4983



# Inverse Universe

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



31.4535, 0.2427, 0.2183



32.6761, 0.2265, 0.1921



33.8495, 0.2724, 0.2207



14.0192, 0.2980, 0.3061



3.4569, 0.1510, 0.0637



0.3026, 0.1539, 0.0740



# Previews

## White Background



This preview shows how the Yxy color 71.1628, 0.3724, 0.4198 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 71.1628, 0.3724, 0.4198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

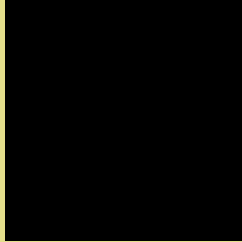
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.1628, 0.3724, 0.4198**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1628, 0.3724, 0.4198.



This preview shows how white text looks on a background with the Yxy color 71.1628, 0.3724, 0.4198.

# 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

71.1628, 0.3724, 0.4198

### Protanopia

70.8778, 0.3833, 0.4142

### Deuteranopia

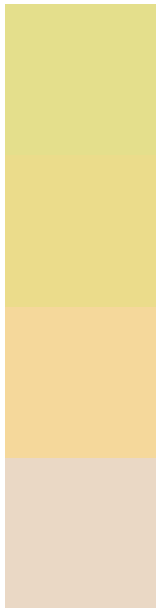
70.9913, 0.3818, 0.3797



## Tritanopia

70.9213, 0.3202, 0.3113

# Trichromacy



**Original Color**

71.1628, 0.3724, 0.4198

**Protanomaly**

70.7126, 0.3797, 0.4162

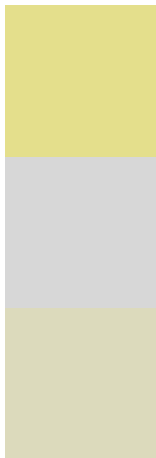
**Deuteranomaly**

70.8908, 0.3782, 0.3936

**Tritanomaly**

70.6354, 0.3394, 0.3496

# Monochromacy



**Original Color**

71.1628, 0.3724, 0.4198

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

68.9893, 0.3347, 0.3627

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1628, 0.3724, 0.4198 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, 223, 140)` looks like.

```
.text, #text, p{  
    color:rgb(228, 223, 140)  
}
```

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, 223, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 223, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1628, 0.3724, 0.4198 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, 223, 140) }
```

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

```
.border{ border-color:rgb(228, 223, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 223, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 223, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 223, 140);  
box-shadow:4px 4px 4px 4px rgb(228, 223,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1628, 0.3724, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 223, 140) }
```

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

```
.background{ background-color: rgb(228,  
223, 140) }
```

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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