

# Converting Colors

$Yxy(70.4150, 0.3623, 0.3969)$

Have a look what the booklet for  
Yxy(70.4150, 0.3623, 0.3969)  
contains.

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# Color

**Yxy(70.4780, 0.3629, 0.3972)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6DC9E
RGB	230, 220, 158
RGB Percent	90%, 86%, 62%
CMY	0.0982, 0.1372, 0.3803
CMYK	0.00, 0.04, 0.31, 0.10
HSL	52°, 59%, 76%
HSV	52°, 31%, 90%
XYZ	64.3919, 70.4780, 42.5672
YIQ	215.9220, 25.8620, -17.1620

# Conversions

## Conversions Part 2

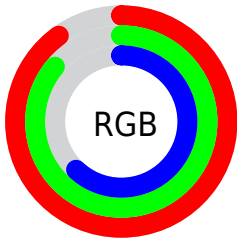
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 230, 158
Decimal	15129758
CIELab	87.23, -5.82, 31.74
CIELCh	87, 32.273, 100.393
Yxy	70.4780, 0.3629, 0.3972
Android (android.graphics.Color)	4293319838 (0xFFE6DC9E)
YUV	215.9220, -28.5555, 12.3464
Hunter-Lab	83.9512, -10.0022, 28.7030

# Details

The Yxy color **70.4780, 0.3629, 0.3972** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.9801, 0.2586, 0.2501**, and the grayscale version is **68.7988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **36.9495, 0.3746, 0.4130** is the 20% darker color. If you saturate the color by 10%, you get **68.1072, 0.3796, 0.4186**, and if you desaturate by 10%, it is **73.0352, 0.3462, 0.3751**.

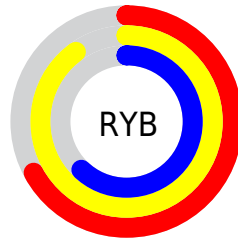
# Distribution



Red (90%)

Green (86%)

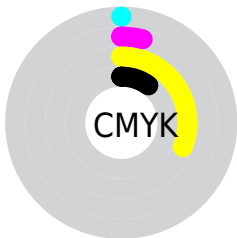
Blue (62%)



Red (67%)

Yellow (90%)

Blue (62%)

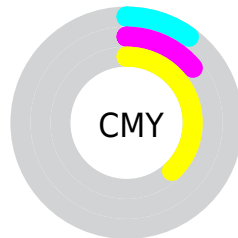


Cyan (0%)

Magenta (4%)

Yellow (31%)

Black (10%)



Cyan (10%)

Magenta (14%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4780, 0.3629, 0.3972 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 70.4780, 0.3629, 0.3972 by changing the saturation by 10% instead.





 70.4780, 0.3629,  
0.3972


 70.4780, 0.3629,  
0.3972


462.2266, 0.3400,  
0.3654

 51.9163, 0.3679,  
0.4044


 119.8902, 0.3551,  
0.3862

 36.9384, 0.3741,  
0.4134


 151.5094, 0.3520,  
0.3819

 25.1598, 0.3816,  
0.4245


188.2500, 0.3493,  
0.3782

 16.1961, 0.3910,  
0.4389

230.4963, 0.3470,  
0.3749

 9.6631, 0.4028,  
0.4577

278.6327, 0.3450,  
0.3721

 5.1761, 0.4174,  
0.4831

333.0437, 0.3431,

 2.3510, 0.4563,

0.3696

0.5437

394.1135, 0.3415,  
0.3674

0.8005, 0.4360,  
0.5640

0.0000, 0.0000,  
0.0000

70.4780, 0.3629,  
0.3972

70.4780, 0.3629,  
0.3972

68.1072, 0.3796,  
0.4186

73.0352, 0.3462,  
0.3751

65.9047, 0.3958,  
0.4384


75.7769, 0.3300,  
0.3531


63.8645, 0.4108,  
0.4555

78.7138, 0.3146,  
0.3317

61.9763, 0.4237,  
0.4690

81.8526, 0.3003,  
0.3114


 60.2280, 0.4342,  
0.4782

 83.9850, 0.2974,  
0.3097

 58.6058, 0.4418,  
0.4829

 85.8329, 0.2974,  
0.3129

 57.2744, 0.4464,  
0.4838

 87.7136, 0.2974,  
0.3162

 89.6273, 0.2975,  
0.3194

 91.5742, 0.2975,  
0.3226

# Harmonies

## Analogous

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



70.4780, 0.3866, 0.3785



70.4780, 0.3629, 0.3972



70.4780, 0.3265, 0.3969

# Triad

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



70.4780, 0.3629, 0.3972



70.4780, 0.2413, 0.3011



70.4780, 0.3351, 0.2891

# Complementary

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



70.4780, 0.3629, 0.3972



40.9801, 0.2586, 0.2501

# 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.



70.4780, 0.2952, 0.2706



70.4780, 0.3629, 0.3972



70.4780, 0.2432, 0.2755

# Square

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



70.4780, 0.3629, 0.3972



70.4780, 0.2571, 0.3378



70.4780, 0.2622, 0.2653



70.4780, 0.3705, 0.3170



# Rectangle

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



70.4780, 0.3629, 0.3972



70.4780, 0.3003, 0.3841



70.4780, 0.2622, 0.2653



70.4780, 0.3216, 0.2817

# Sweetspot

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



70.4812, 0.3629, 0.3972



96.5997, 0.3265, 0.3482



44.1372, 0.3731, 0.3167



20.5628, 0.3288, 0.3514



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.



70.4812, 0.3629, 0.3972



86.9940, 0.3745, 0.4122



71.9948, 0.3411, 0.4121



16.4592, 0.3271, 0.3491



32.5701, 0.4459, 0.4841



2.5010, 0.4414, 0.4877



# Inverse Universe

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



40.9801, 0.2586, 0.2501



43.8172, 0.2449, 0.2291



40.2655, 0.2767, 0.2418



14.2071, 0.2980, 0.3081



3.9169, 0.1531, 0.0712

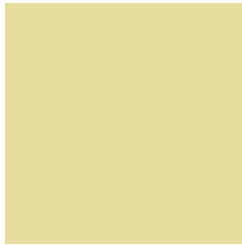


0.3922, 0.1591, 0.0925



# Previews

## White Background



This preview shows how the Yxy color 70.4780, 0.3629, 0.3972 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 70.4780, 0.3629, 0.3972 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

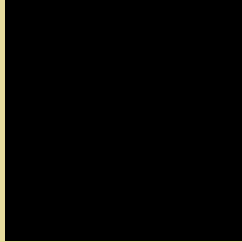
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

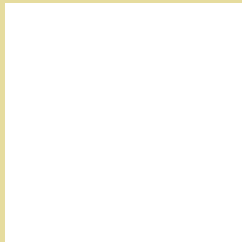
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.4780, 0.3629, 0.3972**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.4780, 0.3629, 0.3972.



This preview shows how white text looks on a background with the Yxy color 70.4780, 0.3629, 0.3972.

# 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

70.4780, 0.3629, 0.3972

### Protanopia

70.2393, 0.3682, 0.3953

### Deuteranopia

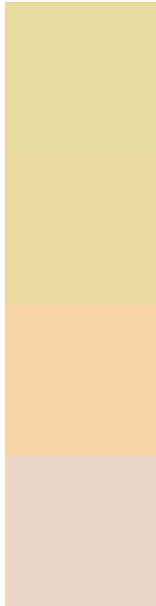
70.1432, 0.3796, 0.3736



## Tritanopia

70.3671, 0.3209, 0.3112

# Trichromacy



## Original Color

70.4780, 0.3629, 0.3972

## Protanomaly

70.4210, 0.3663, 0.3967

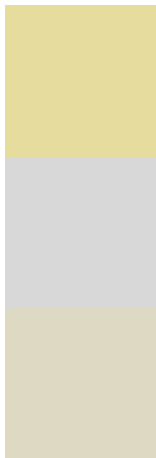
## Deuteranomaly

70.3663, 0.3733, 0.3820

## Tritanomaly

70.0671, 0.3361, 0.3409

# Monochromacy



## Original Color

70.4780, 0.3629, 0.3972

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.9380, 0.3307, 0.3536

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4780, 0.3629, 0.3972 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(230, 220, 158)` looks like.

```
.text, #text, p{  
    color:rgb(230, 220, 158)  
}
```

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(230, 220, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 220, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4780, 0.3629, 0.3972 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(230, 220, 158) }
```

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

```
.border{ border-color:rgb(230, 220, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 220, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 220, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 220, 158);  
box-shadow:4px 4px 4px 4px rgb(230, 220,  
158) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 70.4780, 0.3629, 0.3972$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 220, 158) }
```

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

```
.background{ background-color: rgb(230,  
220, 158) }
```

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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