

# Converting Colors

$Yxy(68.8791, 0.3579, 0.3898)$

Have a look what the booklet for  
Yxy(68.8791, 0.3579, 0.3898)  
contains.

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# Color

**Yxy(69.1180, 0.3577, 0.3902)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3DAA3
RGB	227, 218, 163
RGB Percent	89%, 85%, 64%
CMY	0.1098, 0.1451, 0.3607
CMYK	0.00, 0.04, 0.28, 0.11
HSL	52°, 53%, 76%
HSV	52°, 28%, 89%
XYZ	63.3611, 69.1180, 44.6557
YIQ	214.4210, 23.0190, -15.1970

# Conversions

## Conversions Part 2

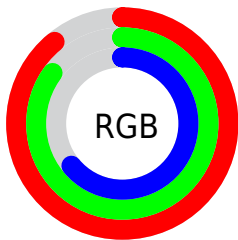
Format	Color
<b>RYB</b>	173, 227, 163
Decimal	14932643
CIELab	86.56, -5.30, 28.24
CIELCh	87, 28.730, 100.625
Yxy	69.1180, 0.3577, 0.3902
Android (android.graphics.Color)	4293122723 (0xFFE3DAA3)
YUV	214.4210, -25.3506, 11.0318
Hunter-Lab	83.1372, -9.4505, 26.3495

# Details

The Yxy color **69.1180, 0.3577, 0.3902** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.8400, 0.2647, 0.2593**, and the grayscale version is **67.7082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **36.0000, 0.3680, 0.4044** is the 20% darker color. If you saturate the color by 10%, you get **66.7401, 0.3745, 0.4119**, and if you desaturate by 10%, it is **71.6801, 0.3411, 0.3681**.

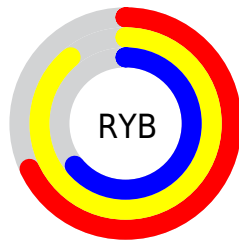
# Distribution



Red (89%)

Green (85%)

Blue (64%)



Red (68%)

Yellow (89%)

Blue (64%)

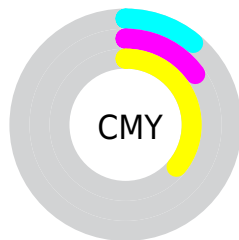


Cyan (0%)

Magenta (4%)

Yellow (28%)

Black (11%)



Cyan (11%)

Magenta (15%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1180, 0.3577, 0.3902 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 69.1180, 0.3577, 0.3902 by changing the saturation by 10% instead.





 69.1180, 0.3577,  
0.3902


 69.1180, 0.3577,  
0.3902

457.4470, 0.3370,  
0.3615

 50.8078, 0.3623,  
0.3968


 117.9501, 0.3506,  
0.3802

 36.0557, 0.3679,  
0.4049


 149.2408, 0.3478,  
0.3763

 24.4772, 0.3749,  
0.4152


185.6271, 0.3454,  
0.3730

 15.6880, 0.3838,  
0.4285

227.4935, 0.3433,  
0.3701

 9.3036, 0.3951,  
0.4463

275.2243, 0.3415,  
0.3675

 4.9398, 0.4098,  
0.4708

329.2039, 0.3398,

 2.2120, 0.4561,

0.3653

0.5385

389.8166, 0.3384,  
0.3633

0.7265, 0.4358,  
0.5642

0.0000, 0.0000,  
0.0000

69.1180, 0.3577,  
0.3902

69.1180, 0.3577,  
0.3902

66.7401, 0.3745,  
0.4119

71.6801, 0.3411,  
0.3681

64.5290, 0.3910,  
0.4322

74.4243, 0.3251,  
0.3463

62.4790, 0.4064,  
0.4502

77.3608, 0.3101,  
0.3253

60.5806, 0.4201,  
0.4649

80.4961, 0.2961,  
0.3054

■ 58.8228, 0.4315,  
0.4755

■ 82.3725, 0.2955,  
0.3075

■ 57.1926, 0.4401,  
0.4815

■ 84.2051, 0.2955,  
0.3108

■ 55.6718, 0.4459,  
0.4833

■ 86.0707, 0.2956,  
0.3141

■ 55.4033, 0.4468,  
0.4834

■ 87.9693, 0.2956,  
0.3174

■ 89.9011, 0.2957,  
0.3206

# Harmonies

## Analogous

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



69.1180, 0.3789, 0.3739



69.1180, 0.3577, 0.3902



69.1180, 0.3250, 0.3893

# Triad

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



69.1180, 0.3577, 0.3902



69.1180, 0.2483, 0.3041



69.1180, 0.3331, 0.2932

# Complementary

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



69.1180, 0.3577, 0.3902



42.8400, 0.2647, 0.2593

# Split Complementary

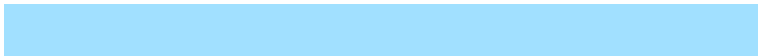
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.1180, 0.2974, 0.2763



69.1180, 0.3577, 0.3902



69.1180, 0.2501, 0.2809

# Square

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



69.1180, 0.3577, 0.3902



69.1180, 0.2626, 0.3368



69.1180, 0.2674, 0.2715



69.1180, 0.3647, 0.3186



# Rectangle

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



69.1180, 0.3577, 0.3902



69.1180, 0.3015, 0.3778



69.1180, 0.2674, 0.2715



69.1180, 0.3211, 0.2864

# Sweetspot

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



69.1211, 0.3577, 0.3902



96.9393, 0.3249, 0.3460



45.5307, 0.3651, 0.3180



20.6297, 0.3273, 0.3493



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

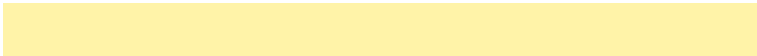


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.1211, 0.3577, 0.3902



88.0884, 0.3678, 0.4034



70.5052, 0.3384, 0.4033



16.4536, 0.3271, 0.3490



32.4417, 0.4464, 0.4838



2.4927, 0.4418, 0.4874



# Inverse Universe

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



42.8400, 0.2647, 0.2593



48.4168, 0.2529, 0.2416



42.1088, 0.2810, 0.2514



14.2122, 0.2980, 0.3082



3.9335, 0.1532, 0.0714

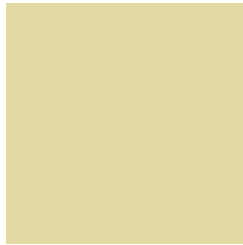


0.3946, 0.1592, 0.0930



# Previews

## White Background



This preview shows how the Yxy color 69.1180, 0.3577, 0.3902 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

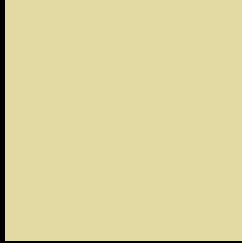
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.1180, 0.3577, 0.3902 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

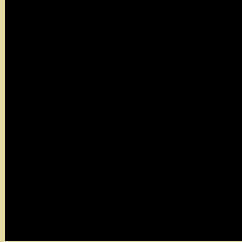
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

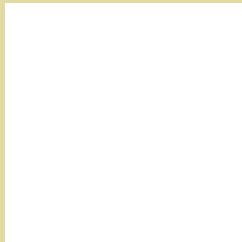
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.1180, 0.3577, 0.3902**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.1180, 0.3577, 0.3902.



This preview shows how white text looks on a background with the Yxy color 69.1180, 0.3577, 0.3902.

# 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

69.1180, 0.3577, 0.3902

### Protanopia

68.8762, 0.3629, 0.3884

### Deuteranopia

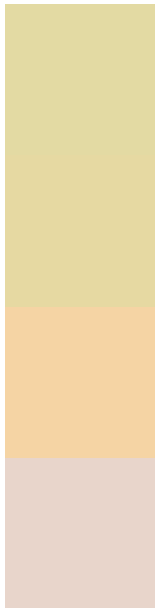
69.0884, 0.3818, 0.3737



## Tritanopia

69.2463, 0.3202, 0.3121

# Trichromacy



**Original Color**

69.1180, 0.3577, 0.3902

**Protanomaly**

69.0573, 0.3611, 0.3898

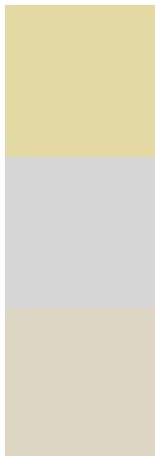
**Deuteranomaly**

69.1798, 0.3731, 0.3802

**Tritanomaly**

69.0561, 0.3340, 0.3399

# Monochromacy



**Original Color**

69.1180, 0.3577, 0.3902

**Achromatopsia**

67.2443, 0.3127, 0.3290

**Achromatomaly**

67.6011, 0.3295, 0.3515

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.1180, 0.3577, 0.3902 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, 218, 163)` looks like.

```
.text, #text, p{  
    color:rgb(227, 218, 163)  
}
```

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, 218, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 218, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 69.1180, 0.3577, 0.3902 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, 218, 163) }
```

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

```
.border{ border-color:rgb(227, 218, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 218, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 218, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 218, 163);  
box-shadow:4px 4px 4px 4px rgb(227, 218,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.1180, 0.3577, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 218, 163) }
```

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

```
.background{ background-color: rgb(227,  
218, 163) }
```

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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