

# Converting Colors

$Yxy(69.9510, 0.3696, 0.4093)$

Have a look what the booklet for  
Yxy(69.9510, 0.3696, 0.4093)  
contains.

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# Color

**Yxy(69.9510, 0.3696, 0.4093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5DC93
RGB	229, 220, 147
RGB Percent	90%, 86%, 58%
CMY	0.1021, 0.1372, 0.4234
CMYK	0.00, 0.04, 0.36, 0.10
HSL	53°, 61%, 74%
HSV	53°, 36%, 90%
XYZ	63.1661, 69.9510, 37.7869
YIQ	214.3690, 28.7970, -20.7950

# Conversions

## Conversions Part 2

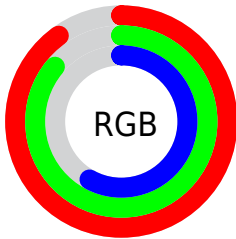
Format	Color
R <sub>YB</sub>	157, 229, 147
Decimal	15064211
CIE Lab	86.97, -7.51, 36.99
CIE LCh	87, 37.747, 101.483
Yxy	69.9510, 0.3696, 0.4093
Android (android.graphics.Color)	4293254291 (0xFFE5DC93)
YUV	214.3690, -33.2129, 12.8314
Hunter-Lab	83.6367, -11.5532, 31.7586

# Details

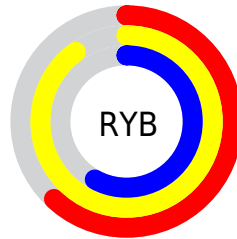
The Yxy color **69.9510, 0.3696, 0.4093** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.6302, 0.2493, 0.2334**, and the grayscale version is **67.7207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **36.5071, 0.3819, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **68.0021, 0.3856, 0.4306**, and if you desaturate by 10%, it is **72.0689, 0.3532, 0.3868**.

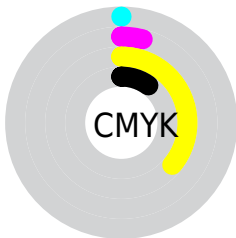
# Distribution



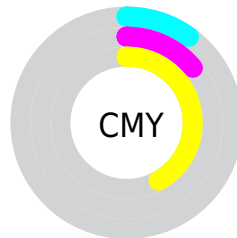
- Red (90%)
- Green (86%)
- Blue (58%)



- Red (62%)
- Yellow (90%)
- Blue (58%)



- Cyan (0%)
- Magenta (4%)
- Yellow (36%)
- Black (10%)




- Cyan (10%)
- Magenta (14%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9510, 0.3696, 0.4093 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 69.9510, 0.3696, 0.4093 by changing the saturation by 10% instead.





 69.9510, 0.3696,  
0.4093


 69.9510, 0.3696,  
0.4093


460.3779, 0.3439,  
0.3718

 51.4866, 0.3752,  
0.4178


 119.1389, 0.3609,  
0.3963

 36.5960, 0.3818,  
0.4282


 150.6311, 0.3574,  
0.3913

 24.8949, 0.3899,  
0.4411


187.2348, 0.3544,  
0.3869

 15.9987, 0.3997,  
0.4575

229.3342, 0.3518,  
0.3831

 9.5233, 0.4115,  
0.4787

277.3139, 0.3495,  
0.3798

 5.0840, 0.4260,  
0.5076

331.5581, 0.3474,

 2.2966, 0.4468,

0.3768

0.5532

392.4513, 0.3456,  
0.3742

0.7719, 0.4162,  
0.5838

0.0000, 0.0000,  
0.0000

69.9510, 0.3696,  
0.4093

69.9510, 0.3696,  
0.4093

68.0021, 0.3856,  
0.4306

72.0689, 0.3532,  
0.3868

66.2042, 0.4005,  
0.4497

74.3543, 0.3370,  
0.3640

64.5508, 0.4138,  
0.4657

76.8176, 0.3214,  
0.3416

63.0313, 0.4247,  
0.4776

79.4658, 0.3066,  
0.3201

61.6330, 0.4330,  
0.4851

81.8788, 0.2967,  
0.3061

60.3407, 0.4384,  
0.4882

83.3010, 0.2967,  
0.3087

59.8170, 0.4402,  
0.4887

84.7434, 0.2968,  
0.3113

86.2060, 0.2968,  
0.3138

87.6889, 0.2968,  
0.3164

# Harmonies

## Analogous

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



69.9510, 0.3985, 0.3870



69.9510, 0.3696, 0.4093



69.9510, 0.3266, 0.4089

# Triad

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



69.9510, 0.3696, 0.4093



69.9510, 0.2297, 0.2944



69.9510, 0.3404, 0.2838

# Complementary

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



69.9510, 0.3696, 0.4093



35.6302, 0.2493, 0.2334

# 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.



69.9510, 0.2935, 0.2620



69.9510, 0.3696, 0.4093



69.9510, 0.2326, 0.2656

# Square

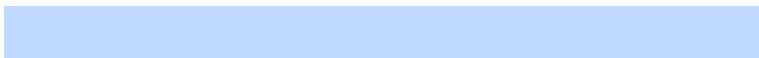
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9510, 0.3696, 0.4093



69.9510, 0.2469, 0.3373



69.9510, 0.2549, 0.2551



69.9510, 0.3818, 0.3160



# Rectangle

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



69.9510, 0.3696, 0.4093



69.9510, 0.2961, 0.3933



69.9510, 0.2549, 0.2551



69.9510, 0.3246, 0.2751

# Sweetspot

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



69.9542, 0.3696, 0.4093



96.3840, 0.3295, 0.3533



39.9486, 0.3885, 0.3181



20.5390, 0.3317, 0.3564



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

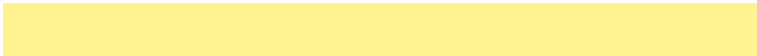


# Same Dimension

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



69.9542, 0.3696, 0.4093



87.4302, 0.3816, 0.4254



70.0723, 0.3428, 0.4255



16.5341, 0.3270, 0.3497



34.3214, 0.4398, 0.4890



2.6135, 0.4365, 0.4917



# Inverse Universe

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



35.6302, 0.2493, 0.2334



37.4963, 0.2340, 0.2094



36.0480, 0.2726, 0.2283



14.1393, 0.2980, 0.3074



3.7172, 0.1522, 0.0679

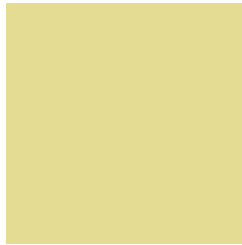


0.3599, 0.1572, 0.0860



# Previews

## White Background



This preview shows how the Yxy color 69.9510, 0.3696, 0.4093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

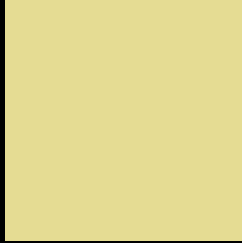
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.9510, 0.3696, 0.4093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

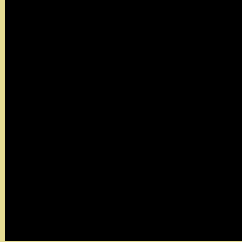
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.9510, 0.3696, 0.4093**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9510, 0.3696, 0.4093.



This preview shows how white text looks on a background with the Yxy color 69.9510, 0.3696, 0.4093.

# 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

69.9510, 0.3696, 0.4093

### Protanopia

70.0510, 0.3766, 0.4068

### Deuteranopia

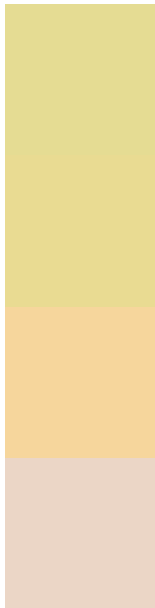
69.9264, 0.3841, 0.3798



## Tritanopia

69.8164, 0.3217, 0.3112

# Trichromacy



## Original Color

69.9510, 0.3696, 0.4093

## Protanomaly

70.0620, 0.3738, 0.4085

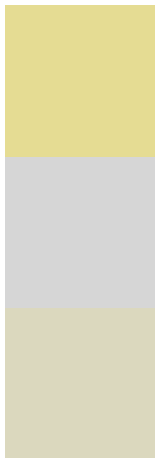
## Deuteranomaly

70.0863, 0.3791, 0.3904

## Tritanomaly

69.8325, 0.3397, 0.3463

# Monochromacy



## Original Color

69.9510, 0.3696, 0.4093

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.8895, 0.3329, 0.3584

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9510, 0.3696, 0.4093 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(229, 220, 147)` looks like.

```
.text, #text, p{  
    color:rgb(229, 220, 147)  
}
```

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(229, 220, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 220, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9510, 0.3696, 0.4093 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(229, 220, 147) }
```

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

```
.border{ border-color:rgb(229, 220, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 220, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 220, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 220, 147); box-shadow:4px 4px 4px 4px rgb(229, 220, 147) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9510, 0.3696, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 220, 147) }
```

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

```
.background{ background-color: rgb(229,  
220, 147) }
```

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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