

# Converting Colors

$Yxy(69.2636, 0.3781, 0.4197)$

Have a look what the booklet for  
Yxy(69.2636, 0.3781, 0.4197)  
contains.

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# Color

**Yxy(69.2636, 0.3781, 0.4197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6DB88
RGB	230, 219, 136
RGB Percent	90%, 86%, 53%
CMY	0.0982, 0.1411, 0.4667
CMYK	0.00, 0.05, 0.41, 0.10
HSL	53°, 65%, 72%
HSV	53°, 41%, 90%
XYZ	62.3983, 69.2636, 33.3693
YIQ	212.8270, 33.1990, -23.4810

# Conversions

## Conversions Part 2

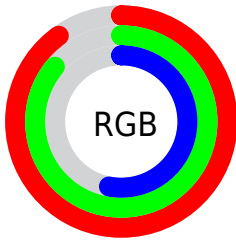
Format	Color
<b>RYB</b>	148, 230, 136
Decimal	15129480
CIELab	86.63, -7.83, 42.11
CIELCh	87, 42.836, 100.534
Yxy	69.2636, 0.3781, 0.4197
Android (android.graphics.Color)	4293319560 (0xFFE6DB88)
YUV	212.8270, -37.8757, 15.0607
Hunter-Lab	83.2248, -11.8118, 34.4848

# Details

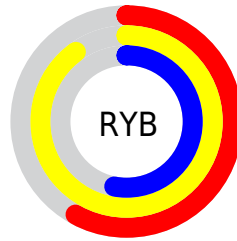
The Yxy color **69.2636, 0.3781, 0.4197** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.7908, 0.2391, 0.2181**, and the grayscale version is **66.6572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **36.0752, 0.3923, 0.4408** is the 20% darker color. If you saturate the color by 10%, you get **67.2957, 0.3938, 0.4399**, and if you desaturate by 10%, it is **71.4006, 0.3617, 0.3978**.

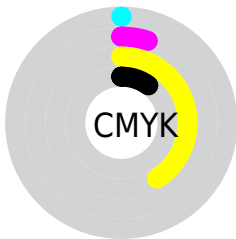
# Distribution



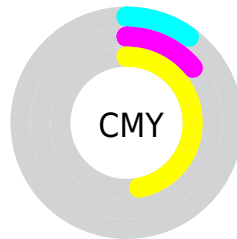
- Red (90%)
- Green (86%)
- Blue (53%)



- Red (58%)
- Yellow (90%)
- Blue (53%)



- Cyan (0%)
- Magenta (5%)
- Yellow (41%)
- Black (10%)




- Cyan (10%)
- Magenta (14%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.2636, 0.3781, 0.4197 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 69.2636, 0.3781, 0.4197 by changing the saturation by 10% instead.





 69.2636, 0.3781,  
0.4197

 69.2636, 0.3781,  
0.4197


457.9601, 0.3488,  
0.3775

 50.9264, 0.3843,  
0.4291

 118.1580, 0.3682,  
0.4052

 36.1500, 0.3917,  
0.4406


 149.4840, 0.3643,  
0.3995

 24.5501, 0.4005,  
0.4547

 185.9084, 0.3609,  
0.3946

 15.7422, 0.4110,  
0.4723

227.8156, 0.3579,  
0.3903

 9.3419, 0.4228,  
0.4943

275.5900, 0.3552,  
0.3865

 4.9649, 0.4418,  
0.5298

329.6159, 0.3528,

 2.2267, 0.4446,

0.3832

0.5554

390.2778, 0.3507,  
0.3802

■ 0.7345, 0.4083,  
0.5917

■ 0.0000, 0.0000,  
0.0000

■ 69.2636, 0.3781,  
0.4197

■ 69.2636, 0.3781,  
0.4197

■ 67.2957, 0.3938,  
0.4399

■ 71.4006, 0.3617,  
0.3978

■ 65.4782, 0.4082,  
0.4574

■ 73.7055, 0.3453,  
0.3752


■ 63.8040, 0.4206,  
0.4714


■ 76.1892, 0.3292,  
0.3527

■ 62.2615, 0.4304,  
0.4810

■ 78.8588, 0.3140,  
0.3308


 60.8367, 0.4374,  
0.4861


 81.7213, 0.2997,  
0.3101

 59.6165, 0.4417,  
0.4875

 83.5002, 0.2974,  
0.3088

 85.0456, 0.2974,  
0.3116

 86.6141, 0.2974,  
0.3143

 88.2058, 0.2974,  
0.3170

# Harmonies

## Analogous

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



69.2636, 0.4106, 0.3928



69.2636, 0.3781, 0.4197



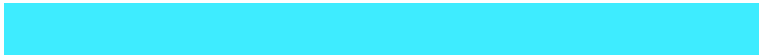
69.2636, 0.3295, 0.4213

# Triad

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



69.2636, 0.3781, 0.4197



69.2636, 0.2195, 0.2904



69.2636, 0.3422, 0.2771

# Complementary

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



69.2636, 0.3781, 0.4197



31.7908, 0.2391, 0.2181

# 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.



69.2636, 0.2891, 0.2533



69.2636, 0.3781, 0.4197



69.2636, 0.2221, 0.2578

# Square

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



69.2636, 0.3781, 0.4197



69.2636, 0.2392, 0.3397



69.2636, 0.2463, 0.2458



69.2636, 0.3903, 0.3126



# Rectangle

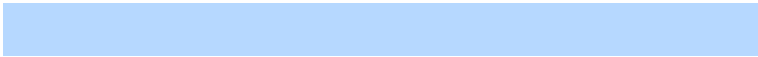
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.2636, 0.3781, 0.4197



69.2636, 0.2950, 0.4042



69.2636, 0.2463, 0.2458



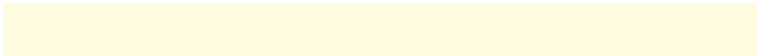
69.2636, 0.3242, 0.2675

# Sweetspot

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



69.2668, 0.3781, 0.4197



95.9316, 0.3311, 0.3554



36.5276, 0.4046, 0.3166



20.4430, 0.3332, 0.3583



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.



69.2668, 0.3781, 0.4197



85.4604, 0.3914, 0.4369



69.8095, 0.3465, 0.4401



16.5156, 0.3270, 0.3496



33.8822, 0.4413, 0.4878



2.5854, 0.4377, 0.4907



# Inverse Universe

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



31.7908, 0.2391, 0.2181



32.0976, 0.2218, 0.1908



32.0892, 0.2654, 0.2124



14.1560, 0.2980, 0.3076



3.7628, 0.1524, 0.0687

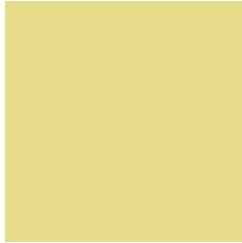


0.3679, 0.1577, 0.0876



# Previews

## White Background



This preview shows how the Yxy color 69.2636, 0.3781, 0.4197 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

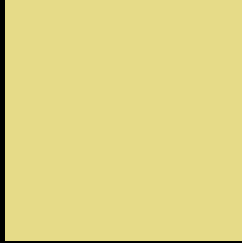
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.2636, 0.3781, 0.4197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

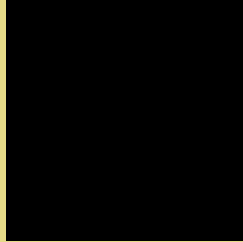
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.2636, 0.3781, 0.4197**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.2636, 0.3781, 0.4197.



This preview shows how white text looks on a background with the Yxy color 69.2636, 0.3781, 0.4197.

# 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

69.2636, 0.3781, 0.4197

### Protanopia

69.2078, 0.3844, 0.4172

### Deuteranopia

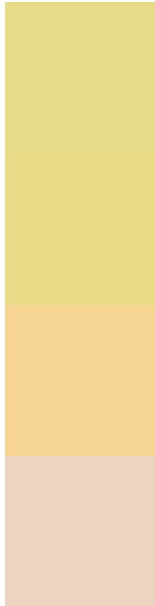
69.1940, 0.3897, 0.3859



## Tritanopia

69.0733, 0.3248, 0.3112

# Trichromacy



## Original Color

69.2636, 0.3781, 0.4197

## Protanomaly

69.3845, 0.3824, 0.4186

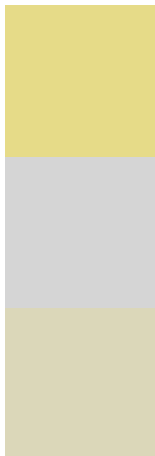
## Deuteranomaly

69.2879, 0.3859, 0.3987

## Tritanomaly

68.7701, 0.3445, 0.3496

# Monochromacy



## Original Color

69.2636, 0.3781, 0.4197

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.1637, 0.3366, 0.3630

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.2636, 0.3781, 0.4197 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, 219, 136)` looks like.

```
.text, #text, p{  
    color:rgb(230, 219, 136)  
}
```

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, 219, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 219, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 69.2636, 0.3781, 0.4197 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, 219, 136) }
```

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

```
.border{ border-color:rgb(230, 219, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 219, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 219, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 219, 136);  
box-shadow:4px 4px 4px 4px rgb(230, 219,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.2636, 0.3781, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 219, 136) }
```

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

```
.background{ background-color: rgb(230,  
219, 136) }
```

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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