

# Converting Colors

Yxy(69.9327, 0.3779, 0.4148)

Have a look what the booklet for  
Yxy(69.9327, 0.3779, 0.4148)  
contains.

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# **Color**

**Yxy(69.8801, 0.3779, 0.4147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9DB8C
RGB	233, 219, 140
RGB Percent	91%, 86%, 55%
CMY	0.0861, 0.1412, 0.4509
CMYK	0.00, 0.06, 0.40, 0.09
HSL	51°, 68%, 73%
HSV	51°, 40%, 91%
XYZ	63.6790, 69.8801, 34.9485
YIQ	214.1800, 33.7030, -21.6010

# Conversions

## Conversions Part 2

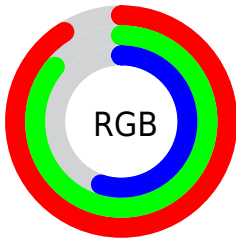
Format	Color
<b>RYB</b>	156, 233, 140
Decimal	15326092
CIELab	86.94, -6.19, 40.54
CIELCh	87, 41.012, 98.677
Yxy	69.8801, 0.3779, 0.4147
Android (android.graphics.Color)	4293516172 (0xFFE9DB8C)
YUV	214.1800, -36.5707, 16.5051
Hunter-Lab	83.5943, -10.3154, 33.7285

# Details

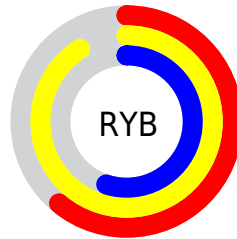
The Yxy color **69.8801, 0.3779, 0.4147** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **34.5930, 0.2416, 0.2253**, and the grayscale version is **67.6121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **36.4856, 0.3923, 0.4345** is the 20% darker color. If you saturate the color by 10%, you get **67.4507, 0.3945, 0.4346**, and if you desaturate by 10%, it is **72.5003, 0.3609, 0.3934**.

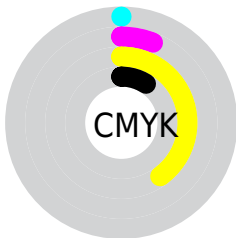
# Distribution



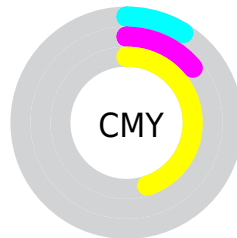
- Red (91%)
- Green (86%)
- Blue (55%)



- Red (61%)
- Yellow (91%)
- Blue (55%)



- Cyan (0%)
- Magenta (6%)
- Yellow (40%)
- Black (9%)




- Cyan (9%)
- Magenta (14%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8801, 0.3779, 0.4147 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 69.8801, 0.3779, 0.4147 by changing the saturation by 10% instead.




 69.8801, 0.3779,  
0.4147

 69.8801, 0.3779,  
0.4147


460.1289, 0.3485,  
0.3750


 51.4288, 0.3842,  
0.4236


 119.0378, 0.3680,  
0.4010

 36.5500, 0.3917,  
0.4343

 150.5129, 0.3640,  
0.3957

 24.8592, 0.4008,  
0.4476

 187.0981, 0.3606,  
0.3911

 15.9722, 0.4117,  
0.4641

229.1778, 0.3576,  
0.3870

 9.5045, 0.4244,  
0.4849

277.1363, 0.3549,  
0.3835

 5.0717, 0.4425,  
0.5156

331.3580, 0.3526,

 2.2894, 0.4540,

0.3803

0.5460

392.2275, 0.3504,  
0.3775

0.7681, 0.4298,  
0.5702

0.0000, 0.0000,  
0.0000

69.8801, 0.3779,  
0.4147

69.8801, 0.3779,  
0.4147

67.4507, 0.3945,  
0.4346

72.5003, 0.3609,  
0.3934

65.1930, 0.4100,  
0.4519


75.3103, 0.3441,  
0.3715

63.0996, 0.4237,  
0.4658

78.3214, 0.3279,  
0.3498

61.1584, 0.4349,  
0.4755


81.5411, 0.3126,  
0.3288


 59.3553, 0.4433,  
0.4805


 84.8772, 0.2993,  
0.3105


 57.6660, 0.4491,  
0.4815

 86.9297, 0.2993,  
0.3140

 57.6521, 0.4492,  
0.4815

 89.0224, 0.2993,  
0.3176

 91.1554, 0.2993,  
0.3211

 93.3291, 0.2994,  
0.3247

# Harmonies

## Analogous

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



69.8801, 0.4075, 0.3882



69.8801, 0.3779, 0.4147



69.8801, 0.3320, 0.4176

# Triad

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



69.8801, 0.3779, 0.4147



69.8801, 0.2239, 0.2949



69.8801, 0.3378, 0.2774

# Complementary

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



69.8801, 0.3779, 0.4147



34.5930, 0.2416, 0.2253

# 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.



69.8801, 0.2873, 0.2554



69.8801, 0.3779, 0.4147



69.8801, 0.2250, 0.2623

# Square

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



69.8801, 0.3779, 0.4147



69.8801, 0.2442, 0.3425



69.8801, 0.2471, 0.2494



69.8801, 0.3844, 0.3111



# Rectangle

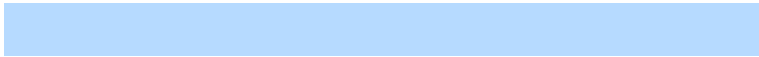
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8801, 0.3779, 0.4147



69.8801, 0.2989, 0.4025



69.8801, 0.2471, 0.2494



69.8801, 0.3206, 0.2685

# Sweetspot

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



69.8833, 0.3779, 0.4147



95.2715, 0.3313, 0.3544



38.4749, 0.3964, 0.3115



20.2867, 0.3334, 0.3572



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.



69.8833, 0.3779, 0.4147



83.2344, 0.3918, 0.4314



72.7529, 0.3492, 0.4362



17.2169, 0.3272, 0.3488



32.8480, 0.4486, 0.4820



2.6844, 0.4439, 0.4857



# Inverse Universe

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



34.5930, 0.2416, 0.2253



34.3324, 0.2249, 0.1993



33.3069, 0.2628, 0.2141



14.9159, 0.2980, 0.3084



4.1374, 0.1535, 0.0726

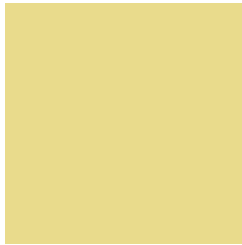


0.4376, 0.1594, 0.0939



# Previews

## White Background



This preview shows how the Yxy color 69.8801, 0.3779, 0.4147 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

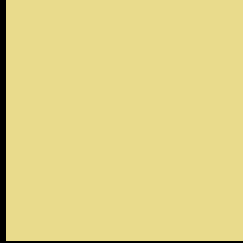
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8801, 0.3779, 0.4147 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

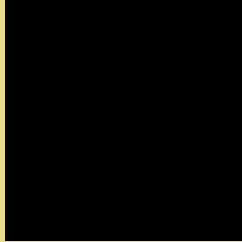
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.8801, 0.3779, 0.4147**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8801, 0.3779, 0.4147.



This preview shows how white text looks on a background with the Yxy color 69.8801, 0.3779, 0.4147.

# 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

69.8801, 0.3779, 0.4147

### Protanopia

70.0408, 0.3815, 0.4128

### Deuteranopia

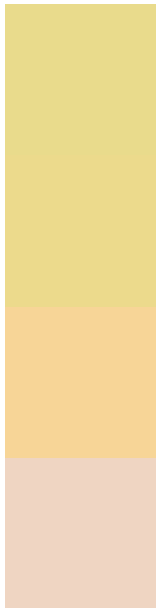
69.8218, 0.3863, 0.3828



## Tritanopia

69.9144, 0.3262, 0.3124

# Trichromacy



## Original Color

69.8801, 0.3779, 0.4147

## Protanomaly

69.8691, 0.3807, 0.4130

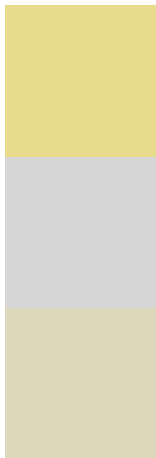
## Deuteranomaly

69.5970, 0.3838, 0.3944

## Tritanomaly

69.8343, 0.3459, 0.3495

# Monochromacy



## Original Color

69.8801, 0.3779, 0.4147

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

68.0717, 0.3365, 0.3616

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8801, 0.3779, 0.4147 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(233, 219, 140)` looks like.

```
.text, #text, p{  
    color:rgb(233, 219, 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(233, 219, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 219, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8801, 0.3779, 0.4147 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(233, 219, 140) }
```

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

```
.border{ border-color:rgb(233, 219, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 219, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 219, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 219, 140);  
box-shadow:4px 4px 4px 4px rgb(233, 219,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8801, 0.3779, 0.4147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 219, 140) }
```

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

```
.background{ background-color: rgb(233,  
219, 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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