

# Converting Colors

Yxy(69.9317, 0.3888, 0.4225)

Have a look what the booklet for  
Yxy(69.9317, 0.3888, 0.4225)  
contains.

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# Color

**Yxy(69.9317, 0.3888, 0.4225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEDA82
RGB	238, 218, 130
RGB Percent	93%, 85%, 51%
CMY	0.0668, 0.1450, 0.4901
CMYK	0.00, 0.08, 0.45, 0.07
HSL	49°, 76%, 72%
HSV	49°, 45%, 93%
XYZ	64.3537, 69.9317, 31.2334
YIQ	213.9480, 40.1680, -23.1280

# Conversions

## Conversions Part 2

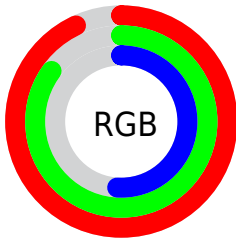
Format	Color
<a href="#">RYB</a>	<a href="#">155, 238, 130</a>
Decimal	<a href="#">15653506</a>
CIELab	<a href="#">86.96, -4.76, 45.62</a>
CIELCh	<a href="#">87, 45.869, 95.952</a>
Yxy	<a href="#">69.9317, 0.3888, 0.4225</a>
Android (android.graphics.Color)	<a href="#">4293843586 (0xFFEEDA82)</a>
YUV	<a href="#">213.9480, -41.3864, 21.0936</a>
Hunter-Lab	<a href="#">83.6252, -8.9795, 36.3932</a>

# Details

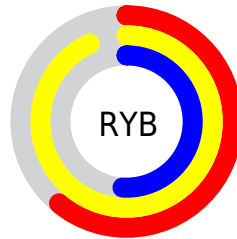
The Yxy color **69.9317, 0.3888, 0.4225** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.7241, 0.2314, 0.2131**, and the grayscale version is **67.4727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **36.4477, 0.4049, 0.4432** is the 20% darker color. If you saturate the color by 10%, you get **67.1166, 0.4058, 0.4406**, and if you desaturate by 10%, it is **72.9616, 0.3712, 0.4025**.

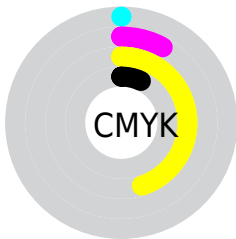
# Distribution



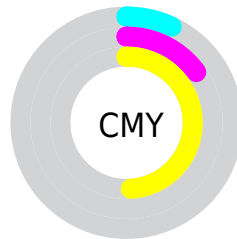
- Red (93%)
- Green (85%)
- Blue (51%)



- Red (61%)
- Yellow (93%)
- Blue (51%)



- Cyan (0%)
- Magenta (8%)
- Yellow (45%)
- Black (7%)




- Cyan (7%)
- Magenta (15%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9317, 0.3888, 0.4225 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 69.9317, 0.3888, 0.4225 by changing the saturation by 10% instead.





 69.9317, 0.3888,  
0.4225


 69.9317, 0.3888,  
0.4225


460.3102, 0.3547,  
0.3797


 51.4709, 0.3960,  
0.4318


 119.1113, 0.3774,  
0.4079

 36.5835, 0.4045,  
0.4431


 150.5989, 0.3728,  
0.4022

 24.8852, 0.4146,  
0.4566


 187.1976, 0.3688,  
0.3972

 15.9915, 0.4265,  
0.4731

229.2916, 0.3653,  
0.3928

 9.5181, 0.4398,  
0.4929

277.2655, 0.3622,  
0.3889

 5.0807, 0.4649,  
0.5288

331.5037, 0.3594,

 2.2947, 0.4618,

0.3855

0.5382

392.3904, 0.3570,  
0.3824

■ 0.7709, 0.4444,  
0.5556

■ 0.0000, 0.0000,  
0.0000

■ 69.9317, 0.3888,  
0.4225

■ 69.9317, 0.3888,  
0.4225

■ 67.1166, 0.4058,  
0.4406

■ 72.9616, 0.3712,  
0.4025

■ 64.4958, 0.4215,  
0.4558

■ 76.2064, 0.3537,  
0.3815

■ 62.0603, 0.4351,  
0.4670

■ 79.6783, 0.3368,  
0.3603

■ 59.7963, 0.4460,  
0.4736


■ 83.3857, 0.3208,  
0.3397

 57.6863, 0.4539,  
0.4756


 87.3366, 0.3060,  
0.3200

 56.7474, 0.4569,  
0.4754

 90.3378, 0.3024,  
0.3185

 93.0224, 0.3024,  
0.3229

 95.7706, 0.3023,  
0.3272

 96.9115, 0.3023,  
0.3290

# Harmonies

## Analogous

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



69.9317, 0.4200, 0.3904



69.9317, 0.3888, 0.4225



69.9317, 0.3386, 0.4299

# Triad

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



69.9317, 0.3888, 0.4225



69.9317, 0.2154, 0.2946



69.9317, 0.3352, 0.2691

# Complementary

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



69.9317, 0.3888, 0.4225



32.7241, 0.2314, 0.2131

# 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.



69.9317, 0.2794, 0.2464



69.9317, 0.3888, 0.4225



69.9317, 0.2147, 0.2570

# Square

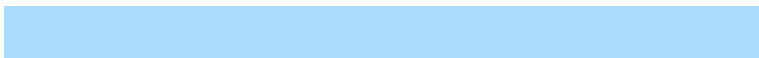
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9317, 0.3888, 0.4225



69.9317, 0.2396, 0.3490



69.9317, 0.2368, 0.2413



69.9317, 0.3888, 0.3050



# Rectangle

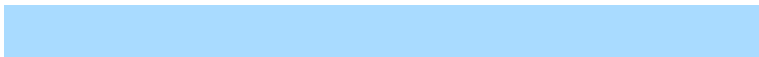
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.9317, 0.3888, 0.4225



69.9317, 0.3018, 0.4153



69.9317, 0.2368, 0.2413



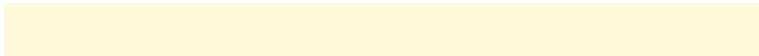
69.9317, 0.3160, 0.2598

# Sweetspot

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



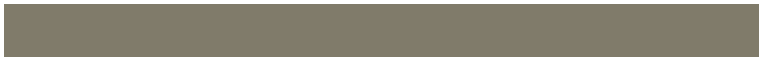
69.9349, 0.3888, 0.4225



93.7722, 0.3347, 0.3576



36.3978, 0.4098, 0.3052



19.8762, 0.3382, 0.3621



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.



69.9349, 0.3888, 0.4225



78.8940, 0.4039, 0.4387



75.8049, 0.3560, 0.4503



17.9332, 0.3273, 0.3481



31.8468, 0.4562, 0.4760



2.7767, 0.4505, 0.4805



# Inverse Universe

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



32.7241, 0.2314, 0.2131



30.5932, 0.2141, 0.1860



29.8672, 0.2512, 0.1954



15.7013, 0.2980, 0.3091



4.5843, 0.1548, 0.0773

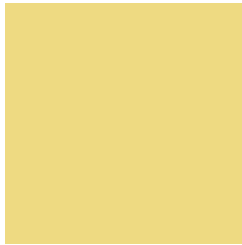


0.5116, 0.1609, 0.0993



# Previews

## White Background



This preview shows how the Yxy color 69.9317, 0.3888, 0.4225 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

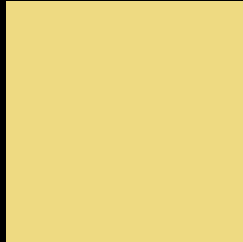
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.9317, 0.3888, 0.4225 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 69.9317, 0.3888, 0.4225**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9317, 0.3888, 0.4225.



This preview shows how white text looks on a background with the Yxy color 69.9317, 0.3888, 0.4225.

# 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

69.9317, 0.3888, 0.4225

### Protanopia

69.9317, 0.3888, 0.4225

### Deuteranopia

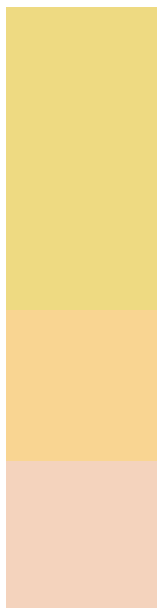
69.7197, 0.3885, 0.3859



## Tritanopia

69.9098, 0.3324, 0.3126

# Trichromacy



## Original Color

69.9317, 0.3888, 0.4225

## Protanomaly

69.9317, 0.3888, 0.4225

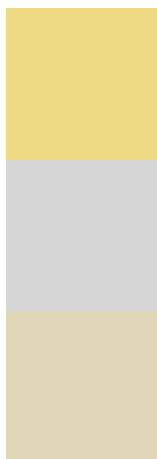
## Deuteranomaly

69.8036, 0.3890, 0.3990

## Tritanomaly

69.4958, 0.3540, 0.3525

# Monochromacy



## Original Color

69.9317, 0.3888, 0.4225

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.7078, 0.3411, 0.3650

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9317, 0.3888, 0.4225 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(238, 218, 130)` looks like.

```
.text, #text, p{  
    color:rgb(238, 218, 130)  
}
```

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(238, 218, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 218, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9317, 0.3888, 0.4225 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(238, 218, 130) }
```

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

```
.border{ border-color:rgb(238, 218, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 218, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 218, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 218, 130);  
box-shadow:4px 4px 4px 4px rgb(238, 218,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9317, 0.3888, 0.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 218, 130) }
```

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

```
.background{ background-color: rgb(238,  
218, 130) }
```

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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