

# Converting Colors

Yxy(69.9867, 0.3801, 0.4431)

Have a look what the booklet for  
Yxy(69.9867, 0.3801, 0.4431)  
contains.

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**Color**

**Yxy(70.1728, 0.3802, 0.4438)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEE077
RGB	222, 224, 119
RGB Percent	87%, 88%, 47%
CMY	0.1293, 0.1216, 0.5333
CMYK	0.01, 0.00, 0.47, 0.12
HSL	61°, 63%, 67%
HSV	61°, 47%, 88%
XYZ	60.1165, 70.1728, 27.8288
YIQ	211.4320, 32.5130, -33.0790

# Conversions

## Conversions Part 2

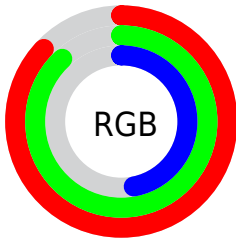
Format	Color
<a href="#">RYB</a>	<a href="#">119, 224, 121</a>
Decimal	<a href="#">14606455</a>
CIELab	<a href="#">87.08, -15.12, 50.80</a>
CIElCh	<a href="#">87, 53.006, 106.576</a>
Yxy	<a href="#">70.1728, 0.3802, 0.4438</a>
Android (android.graphics.Color)	<a href="#">4292796535</a> ( <a href="#">0xFFDEE077</a> )
YUV	<a href="#">211.4320, -45.5690, 9.2681</a>
Hunter-Lab	<a href="#">83.7692, -18.4966, 38.9418</a>

# Details

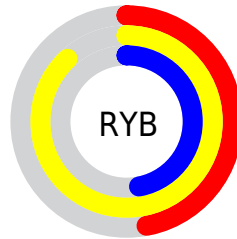
The Yxy color **70.1728, 0.3802, 0.4438** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.6386, 0.2253, 0.1826**, and the grayscale version is **65.7379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7971, 0.3614, 0.4095**, and **36.7805, 0.3924, 0.4698** is the 20% darker color. If you saturate the color by 10%, you get **69.6335, 0.3920, 0.4643**, and if you desaturate by 10%, it is **70.8455, 0.3668, 0.4208**.

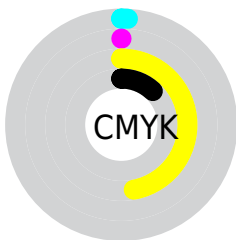
# Distribution



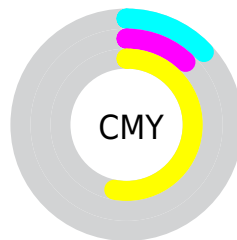
- Red (87%)
- Green (88%)
- Blue (47%)



- Red (47%)
- Yellow (88%)
- Blue (47%)



- Cyan (1%)
- Magenta (0%)
- Yellow (47%)
- Black (12%)




- Cyan (13%)
- Magenta (12%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1728, 0.3802, 0.4438 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 70.1728, 0.3802, 0.4438 by changing the saturation by 10% instead.





 70.1728, 0.3802,  
0.4438


 70.1728, 0.3802,  
0.4438

461.1565, 0.3511,  
0.3903

 51.6674, 0.3860,  
0.4557


 119.4551, 0.3708,  
0.4254

 36.7401, 0.3925,  
0.4700


 151.0009, 0.3669,  
0.4182

 25.0063, 0.3997,  
0.4874


 187.6622, 0.3635,  
0.4120

 16.0817, 0.4073,  
0.5088

229.8236, 0.3604,  
0.4065

 9.5820, 0.4140,  
0.5348

277.8693, 0.3577,  
0.4017

 5.1227, 0.4242,  
0.5758

332.1837, 0.3553,

 2.3194, 0.4044,

0.3975

0.5956

393.1513, 0.3531,  
0.3937

0.7840, 0.3241,  
0.6759

0.0000, 0.0000,  
0.0000

70.1728, 0.3802,  
0.4438

70.1728, 0.3802,  
0.4438

69.6335, 0.3920,  
0.4643

70.8455, 0.3668,  
0.4208

69.2090, 0.4017,  
0.4812


71.6501, 0.3523,  
0.3961


68.8921, 0.4089,  
0.4941

72.5974, 0.3375,  
0.3709

68.6710, 0.4135,  
0.5026


73.6942, 0.3227,  
0.3458


 68.5301, 0.4156,  
0.5069

 74.9470, 0.3083,  
0.3215

 68.4943, 0.4160,  
0.5079

 76.3621, 0.2947,  
0.2986

 76.5320, 0.2940,  
0.2970

 76.5995, 0.2942,  
0.2970

 76.6672, 0.2945,  
0.2971

# Harmonies

## Analogous

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



70.1728, 0.4261, 0.4130



70.1728, 0.3802, 0.4438



70.1728, 0.3189, 0.4403

# Triad

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



70.1728, 0.3802, 0.4438



70.1728, 0.1989, 0.2706



70.1728, 0.3618, 0.2738

# Complementary

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



70.1728, 0.3802, 0.4438



22.6386, 0.2253, 0.1826

# 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.



70.1728, 0.2957, 0.2424



70.1728, 0.3802, 0.4438



70.1728, 0.2074, 0.2374

# Square

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



70.1728, 0.3802, 0.4438



70.1728, 0.2164, 0.3277



70.1728, 0.2407, 0.2291



70.1728, 0.4176, 0.3176



# Rectangle

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



70.1728, 0.3802, 0.4438



70.1728, 0.2777, 0.4138



70.1728, 0.2407, 0.2291



70.1728, 0.3396, 0.2617

# Sweetspot

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



70.1760, 0.3802, 0.4438



97.7837, 0.3333, 0.3639



30.7934, 0.4399, 0.3314



20.8644, 0.3366, 0.3693



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.



70.1760, 0.3802, 0.4438



93.4505, 0.3915, 0.4634



63.1598, 0.3398, 0.4615



16.0158, 0.3264, 0.3522



39.8759, 0.4161, 0.5078



2.7682, 0.4166, 0.5074



# Inverse Universe

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



22.6386, 0.2253, 0.1826



22.4889, 0.2051, 0.1492



27.4886, 0.2692, 0.1982



13.2555, 0.2983, 0.3048



3.1539, 0.1506, 0.0603



0.2230, 0.1524, 0.0613



# Previews

## White Background



This preview shows how the Yxy color 70.1728, 0.3802, 0.4438 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 70.1728, 0.3802, 0.4438 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 70.1728, 0.3802, 0.4438**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.1728, 0.3802, 0.4438.



This preview shows how white text looks on a background with the Yxy color 70.1728, 0.3802, 0.4438.

# 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

70.1728, 0.3802, 0.4438

### Protanopia

69.9524, 0.3986, 0.4342

### Deuteranopia

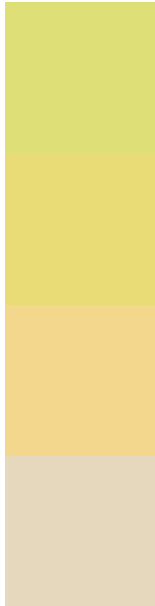
69.6531, 0.3900, 0.3879



## Tritanopia

70.1808, 0.3179, 0.3121

# Trichromacy



## Original Color

70.1728, 0.3802, 0.4438

## Protanomaly

69.8180, 0.3914, 0.4374

## Deuteranomaly

69.5787, 0.3868, 0.4074

## Tritanomaly

69.5656, 0.3427, 0.3598

# Monochromacy



## Original Color

70.1728, 0.3802, 0.4438

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

66.7732, 0.3383, 0.3726

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  70.1728, 0.3802, 0.4438 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(222, 224, 119)` looks like.

```
.text, #text, p{  
    color:rgb(222, 224, 119)  
}
```

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(222, 224, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 224, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1728, 0.3802, 0.4438 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(222, 224, 119) }
```

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

```
.border{ border-color:rgb(222, 224, 119) }
```

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

Here you see how a box with a 4 pixel rgb(222, 224, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 224, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 224, 119);  
box-shadow:4px 4px 4px 4px rgb(222, 224,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1728, 0.3802, 0.4438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 224, 119) }
```

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

```
.background{ background-color: rgb(222,  
224, 119) }
```

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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