

# Converting Colors

$Yxy(73.6963, 0.3739, 0.4686)$

Have a look what the booklet for  
Yxy(73.6963, 0.3739, 0.4686)  
contains.

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**Color**

**Yxy(73.7351, 0.3742, 0.4685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3EA6A
RGB	211, 234, 106
RGB Percent	83%, 92%, 42%
CMY	0.1724, 0.0824, 0.5844
CMYK	0.10, 0.00, 0.55, 0.08
HSL	71°, 75%, 67%
HSV	71°, 55%, 92%
XYZ	58.8936, 73.7351, 24.7567
YIQ	212.5310, 27.3800, -44.6840

# Conversions

## Conversions Part 2

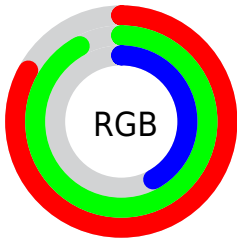
Format	Color
<b>RYB</b>	106, 234, 129
Decimal	13888106
CIELab	88.80, -25.45, 58.62
CIElCh	89, 63.900, 113.467
Yxy	73.7351, 0.3742, 0.4685
Android (android.graphics.Color)	4292078186 (0xFFD3EA6A)
YUV	212.5310, -52.5198, -1.3427
Hunter-Lab	85.8691, -27.8462, 43.0146

# Details

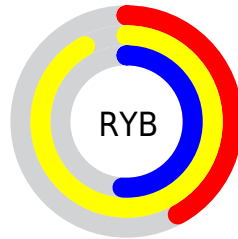
The Yxy color **73.7351, 0.3742, 0.4685** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **20.9067, 0.2229, 0.1605**, and the grayscale version is **66.5569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3532, 0.3683, 0.4210**, and **38.9498, 0.3833, 0.5002** is the 20% darker color. If you saturate the color by 10%, you get **72.7042, 0.3815, 0.4896**, and if you desaturate by 10%, it is **74.9217, 0.3649, 0.4445**.

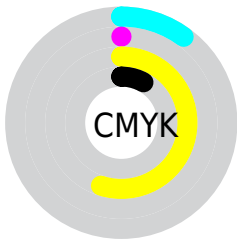
# Distribution



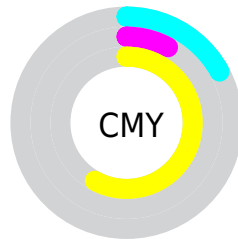
- Red (83%)
- Green (92%)
- Blue (42%)



- Red (42%)
- Yellow (92%)
- Blue (51%)



- Cyan (10%)
- Magenta (0%)
- Yellow (55%)
- Black (8%)




- Cyan (17%)
- Magenta (8%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.7351, 0.3742, 0.4685 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 73.7351, 0.3742, 0.4685 by changing the saturation by 10% instead.





 73.7351, 0.3742,  
0.4685


 73.7351, 0.3742,  
0.4685


473.5586, 0.3496,  
0.4034


 54.5773, 0.3784,  
0.4829


 124.5202, 0.3667,  
0.4462

 39.0634, 0.3828,  
0.5001


 156.9163, 0.3635,  
0.4374

 26.8090, 0.3869,  
0.5210


 194.4939, 0.3605,  
0.4298

 17.4298, 0.3898,  
0.5463

 237.6374, 0.3579,  
0.4231

 10.5414, 0.3903,  
0.5780

286.7312, 0.3555,  
0.4173

 5.7594, 0.3835,  
0.6165

342.1598, 0.3533,

 2.6993, 0.3524,

0.4121

0.6476

404.3074, 0.3514,  
0.4075

■ 0.9769, 0.2376,  
0.7624

■ 0.0000, 0.0000,  
0.0000

■ 73.7351, 0.3742,  
0.4685

■ 73.7351, 0.3742,  
0.4685

■ 72.7042, 0.3815,  
0.4896

■ 74.9217, 0.3649,  
0.4445

■ 71.8077, 0.3864,  
0.5068


■ 76.2638, 0.3541,  
0.4188

■ 71.0360, 0.3886,  
0.5195

■ 77.7740, 0.3425,  
0.3923


■ 70.3732, 0.3883,  
0.5276


■ 79.4604, 0.3304,  
0.3659


 70.0536, 0.3875,  
0.5305

 81.3308, 0.3183,  
0.3405

 83.3924, 0.3066,  
0.3165

 84.6635, 0.3041,  
0.3081

 85.4085, 0.3068,  
0.3083

 86.1706, 0.3096,  
0.3085

# Harmonies

## Analogous

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



73.7351, 0.4346, 0.4359



73.7351, 0.3742, 0.4685



73.7351, 0.3012, 0.4550

# Triad

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



73.7351, 0.3742, 0.4685



73.7351, 0.1809, 0.2478



73.7351, 0.3879, 0.2750

# Complementary

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



73.7351, 0.3742, 0.4685



20.9067, 0.2229, 0.1605

# 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.



73.7351, 0.3093, 0.2356



73.7351, 0.3742, 0.4685



73.7351, 0.1971, 0.2178

# Square

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



73.7351, 0.3742, 0.4685



73.7351, 0.1931, 0.3083



73.7351, 0.2409, 0.2151



73.7351, 0.4477, 0.3267



# Rectangle

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



73.7351, 0.3742, 0.4685



73.7351, 0.2551, 0.4156



73.7351, 0.2409, 0.2151



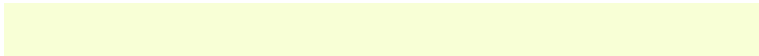
73.7351, 0.3621, 0.2602

# Sweetspot

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



73.7384, 0.3742, 0.4685



96.2833, 0.3320, 0.3695



33.7924, 0.4611, 0.3528



20.5153, 0.3345, 0.3749



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.



73.7384, 0.3742, 0.4685



88.1794, 0.3824, 0.4926



66.2419, 0.3293, 0.4919



17.4824, 0.3240, 0.3525



39.4170, 0.3880, 0.5301



3.1308, 0.3926, 0.5265



# Inverse Universe

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



20.9067, 0.2229, 0.1605



17.7626, 0.2010, 0.1242



27.3624, 0.2774, 0.1826



14.6789, 0.3008, 0.3048



3.6531, 0.1583, 0.0646

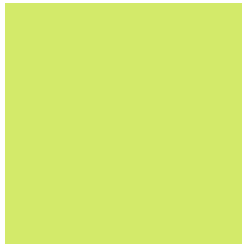


0.3241, 0.1702, 0.0711



# Previews

## White Background



This preview shows how the Yxy color 73.7351, 0.3742, 0.4685 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 73.7351, 0.3742, 0.4685 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 73.7351, 0.3742, 0.4685**

## Background



This preview shows how black text looks on a background with the Yxy color 73.7351, 0.3742, 0.4685.



This preview shows how white text looks on a background with the Yxy color 73.7351, 0.3742, 0.4685.

# 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

73.7351, 0.3742, 0.4685

### Protanopia

73.5088, 0.4097, 0.4486

### Deuteranopia

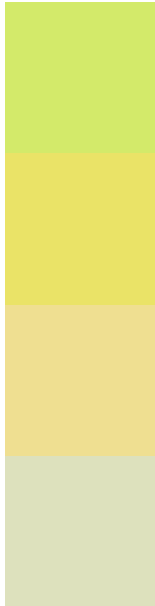
73.1618, 0.3775, 0.3795



## Tritanopia

73.4696, 0.3058, 0.3110

# Trichromacy



## Original Color

73.7351, 0.3742, 0.4685

## Protanomaly

73.4099, 0.3968, 0.4563

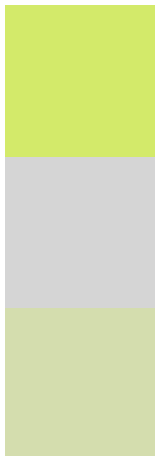
## Deuteranomaly

73.1704, 0.3777, 0.4119

## Tritanomaly

72.8967, 0.3337, 0.3690

# Monochromacy



## Original Color

73.7351, 0.3742, 0.4685

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

68.7659, 0.3378, 0.3830

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  73.7351, 0.3742, 0.4685 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(211, 234, 106)` looks like.

```
.text, #text, p{  
    color:rgb(211, 234, 106)  
}
```

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(211, 234, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 234, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 73.7351, 0.3742, 0.4685 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(211, 234, 106) }
```

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

```
.border{ border-color:rgb(211, 234, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 234, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 234, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 234, 106);  
box-shadow:4px 4px 4px 4px rgb(211, 234,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.7351, 0.3742, 0.4685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 234, 106) }
```

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

```
.background{ background-color: rgb(211,  
234, 106) }
```

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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