

# Converting Colors

$Y_{xy}(72.1943, 0.3695, 0.4395)$

Have a look what the booklet for  
Yxy(72.1943, 0.3695, 0.4395)  
contains.

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**Color**

**Yxy(71.9772, 0.3695, 0.4387)**

# Conversions

Conversions Part 1	
Format	Color
Hex	DAE481
RGB	218, 228, 129
RGB Percent	85%, 89%, 51%
CMY	0.1450, 0.1059, 0.4941
CMYK	0.04, 0.00, 0.43, 0.11
HSL	66°, 65%, 70%
HSV	66°, 43%, 89%
XYZ	60.6236, 71.9772, 31.4685
YIQ	213.7240, 25.8190, -32.9090

# Conversions

## Conversions Part 2

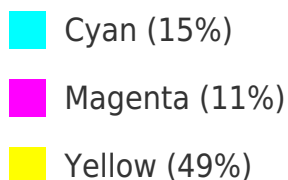
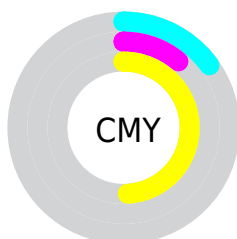
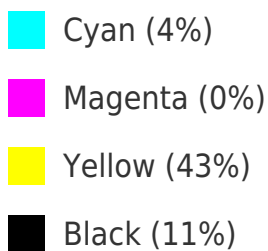
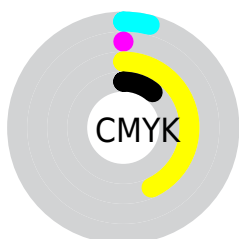
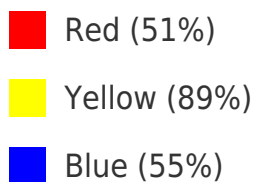
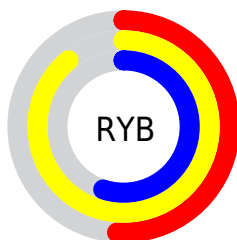
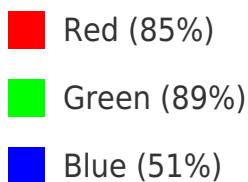
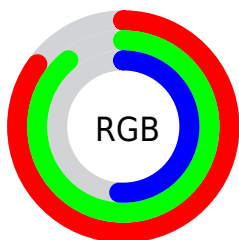
Format	Color
<a href="#">RYB</a>	<a href="#">129, 228, 139</a>
Decimal	<a href="#">14345345</a>
CIELab	<a href="#">87.96, -17.69, 47.01</a>
CIELCh	<a href="#">88, 50.226, 110.628</a>
Yxy	<a href="#">71.9772, 0.3695, 0.4387</a>
Android (android.graphics.Color)	<a href="#">4292535425</a> (0xFFDAE481)
YUV	<a href="#">213.7240, -41.7689, 3.7501</a>
Hunter-Lab	<a href="#">84.8394, -20.9183, 37.3958</a>

# Details

The Yxy color **71.9772, 0.3695, 0.4387** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.7922, 0.2387, 0.1968**, and the grayscale version is **67.3269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1989, 0.3556, 0.3998**, and **38.0000, 0.3792, 0.4651** is the 20% darker color. If you saturate the color by 10%, you get **71.0881, 0.3805, 0.4616**, and if you desaturate by 10%, it is **73.0130, 0.3571, 0.4139**.

# Distribution



# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9772, 0.3695, 0.4387 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 71.9772, 0.3695, 0.4387 by changing the saturation by 10% instead.



 71.9772, 0.3695,  
0.4387


 71.9772, 0.3695,  
0.4387


467.4622, 0.3452,  
0.3872


 53.1401, 0.3743,  
0.4503


 122.0241, 0.3616,  
0.4209

 37.9146, 0.3798,  
0.4645

 154.0027, 0.3584,  
0.4139

 25.9164, 0.3860,  
0.4820


 191.1305, 0.3555,  
0.4079

 16.7611, 0.3925,  
0.5039

233.7919, 0.3529,  
0.4027

 10.0643, 0.3984,  
0.5315

282.3715, 0.3507,  
0.3981

 5.4416, 0.4109,  
0.5802


337.2534, 0.3486,

 2.5086, 0.3924,

0.3941

0.6076


398.8222, 0.3468,  
0.3904


 0.8810, 0.3151,  
0.6849


 0.0000, 0.0000,  
0.0000


 71.9772, 0.3695,  
0.4387

 71.9772, 0.3695,  
0.4387


 71.0881, 0.3805,  
0.4616


 73.0130, 0.3571,  
0.4139

 70.3269, 0.3895,  
0.4815


 74.1939, 0.3440,  
0.3881


 69.6865, 0.3961,  
0.4976


 75.5310, 0.3305,  
0.3624


 69.1550, 0.4001,  
0.5093


 77.0312, 0.3172,  
0.3373


 68.7183, 0.4016,  
0.5165


 78.7013, 0.3043,  
0.3135

 68.4675, 0.4015,  
0.5194

 79.8316, 0.2985,  
0.3016

 80.2185, 0.3000,  
0.3017

 80.6104, 0.3015,  
0.3018

 81.0074, 0.3030,  
0.3020

# Harmonies

## Analogous

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



71.9772, 0.4154, 0.4139



71.9772, 0.3695, 0.4387



71.9772, 0.3109, 0.4293

# Triad

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



71.9772, 0.3695, 0.4387



71.9772, 0.2046, 0.2686



71.9772, 0.3671, 0.2819

# Complementary

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



71.9772, 0.3695, 0.4387



26.7922, 0.2387, 0.1968

# 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.



71.9772, 0.3050, 0.2501



71.9772, 0.3695, 0.4387



71.9772, 0.2160, 0.2402

# Square

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



71.9772, 0.3695, 0.4387



71.9772, 0.2181, 0.3199



71.9772, 0.2508, 0.2349



71.9772, 0.4164, 0.3248



# Rectangle

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



71.9772, 0.3695, 0.4387



71.9772, 0.2727, 0.4012



71.9772, 0.2508, 0.2349



71.9772, 0.3467, 0.2698

# Sweetspot

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



71.9805, 0.3695, 0.4387



97.4174, 0.3301, 0.3615



36.5176, 0.4217, 0.3409



20.7652, 0.3331, 0.3672



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.



71.9805, 0.3695, 0.4387



91.7467, 0.3793, 0.4592



65.4636, 0.3325, 0.4536



16.7395, 0.3252, 0.3523



39.5654, 0.4018, 0.5192



2.9452, 0.4045, 0.5170



# Inverse Universe

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



26.7922, 0.2387, 0.1968



26.4526, 0.2206, 0.1659



32.0468, 0.2807, 0.2107



13.9563, 0.2996, 0.3048



3.3631, 0.1535, 0.0619



0.2722, 0.1621, 0.0667



# Previews

## White Background



This preview shows how the Yxy color 71.9772, 0.3695, 0.4387 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

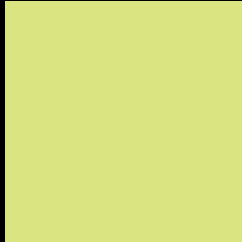
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.9772, 0.3695, 0.4387 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

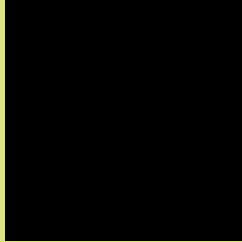
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.9772, 0.3695, 0.4387**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.9772, 0.3695, 0.4387.



This preview shows how white text looks on a background with the Yxy color 71.9772, 0.3695, 0.4387.

# 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

71.9772, 0.3695, 0.4387

### Protanopia

71.5700, 0.3936, 0.4270

### Deuteranopia

71.4928, 0.3815, 0.3807



## Tritanopia

71.8179, 0.3114, 0.3111

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.9772, 0.3695, 0.4387 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(218, 228, 129) looks like.

```
.text, #text, p{  
    color:rgb(218, 228, 129)  
}
```

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(218, 228, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 228, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 71.9772, 0.3695, 0.4387 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(218, 228, 129) }
```

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

```
.border{ border-color:rgb(218, 228, 129) }
```

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

Here you see how a box with a 4 pixel rgb(218, 228, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 228, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 228, 129);  
box-shadow:4px 4px 4px 4px rgb(218, 228,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.9772, 0.3695, 0.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 228, 129) }
```

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

```
.background{ background-color: rgb(218,  
228, 129) }
```

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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