

# Converting Colors

Yxy(71.6832, 0.3348, 0.3811)

Have a look what the booklet for  
Yxy(71.6832, 0.3348, 0.3811)  
contains.

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# Color

**Yxy(71.4419, 0.3346, 0.3800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6E1B4
RGB	214, 225, 180
RGB Percent	84%, 88%, 71%
CMY	0.1606, 0.1177, 0.2941
CMYK	0.05, 0.00, 0.20, 0.12
HSL	75°, 43%, 79%
HSV	75°, 20%, 88%
XYZ	62.9065, 71.4419, 53.6566
YIQ	216.5810, 7.8890, -16.3270

# Conversions

## Conversions Part 2

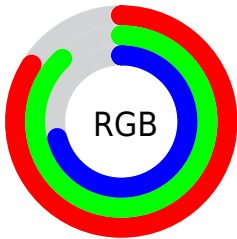
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 225, 191
Decimal	14082484
CIELab	87.70, -11.24, 20.82
CIELCh	88, 23.661, 118.375
Yxy	71.4419, 0.3346, 0.3800
Android (android.graphics.Color)	4292272564 (0xFFD6E1B4)
YUV	216.5810, -18.0344, -2.2635
Hunter-Lab	84.5233, -15.0672, 21.5282

# Details

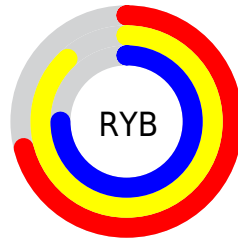
The Yxy color **71.4419, 0.3346, 0.3800** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.1502, 0.2878, 0.2753**, and the grayscale version is **69.2150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **37.6527, 0.3393, 0.3931** is the 20% darker color. If you saturate the color by 10%, you get **69.7914, 0.3454, 0.4070**, and if you desaturate by 10%, it is **73.2751, 0.3236, 0.3538**.

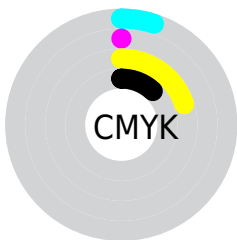
# Distribution



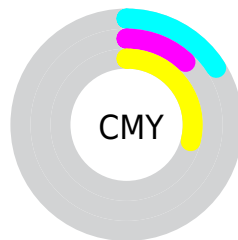
- Red (84%)
- Green (88%)
- Blue (71%)



- Red (71%)
- Yellow (88%)
- Blue (75%)



- Cyan (5%)
- Magenta (0%)
- Yellow (20%)
- Black (12%)




- Cyan (16%)
- Magenta (12%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4419, 0.3346, 0.3800 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 71.4419, 0.3346, 0.3800 by changing the saturation by 10% instead.




 71.4419, 0.3346,  
0.3800

 71.4419, 0.3346,  
0.3800

465.5967, 0.3247,  
0.3558

 52.7029, 0.3368,  
0.3856

 121.2627, 0.3312,  
0.3715

 37.5656, 0.3394,  
0.3927


153.1133, 0.3299,  
0.3682

 25.6457, 0.3426,  
0.4017


190.1033, 0.3288,  
0.3654

 16.5588, 0.3467,  
0.4136

232.6169, 0.3278,  
0.3630

 9.9204, 0.3520,  
0.4300

281.0387, 0.3269,  
0.3609

 5.3462, 0.3587,  
0.4539

335.7530, 0.3261,

 2.4518, 0.3690,

0.3590

0.4943

397.1442, 0.3254,  
0.3573

0.8524, 0.3859,  
0.6141

0.0000, 0.0000,  
0.0000

71.4419, 0.3346,  
0.3800

71.4419, 0.3346,  
0.3800

69.7914, 0.3454,  
0.4070

73.2751, 0.3236,  
0.3538

68.3069, 0.3554,  
0.4339

75.2887, 0.3127,  
0.3290

66.9834, 0.3643,  
0.4599

77.4922, 0.3022,  
0.3058

65.8122, 0.3715,  
0.4836

78.8876, 0.3012,  
0.2987

■ 64.7834, 0.3764,  
0.5042

■ 79.8382, 0.3049,  
0.2991

■ 63.8860, 0.3788,  
0.5204

■ 80.8177, 0.3086,  
0.2994

■ 63.1068, 0.3787,  
0.5320

■ 81.8265, 0.3123,  
0.2998

■ 62.4231, 0.3764,  
0.5393

■ 82.3255, 0.3141,  
0.2999

■ 62.4227, 0.3764,  
0.5394

# Harmonies

## Analogous

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



71.4419, 0.3581, 0.3751



71.4419, 0.3346, 0.3800



71.4419, 0.3060, 0.3697

# Triad

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



71.4419, 0.3346, 0.3800



71.4419, 0.2589, 0.2964



71.4419, 0.3456, 0.3115

# Complementary

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



71.4419, 0.3346, 0.3800



49.1502, 0.2878, 0.2753

# Split Complementary

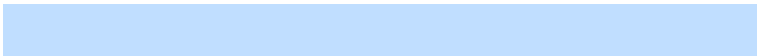
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.4419, 0.3175, 0.2927



71.4419, 0.3346, 0.3800



71.4419, 0.2683, 0.2835

# Square

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



71.4419, 0.3346, 0.3800



71.4419, 0.2631, 0.3194



71.4419, 0.2893, 0.2825



71.4419, 0.3649, 0.3349



# Rectangle

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



71.4419, 0.3346, 0.3800



71.4419, 0.2879, 0.3553



71.4419, 0.2893, 0.2825



71.4419, 0.3368, 0.3045

# Sweetspot

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



71.4450, 0.3346, 0.3800



98.3546, 0.3193, 0.3438



56.3468, 0.3500, 0.3411



21.0148, 0.3200, 0.3455



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

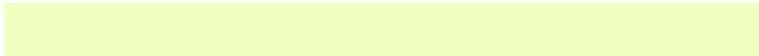


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.4450, 0.3346, 0.3800



93.9519, 0.3391, 0.3912



68.3479, 0.3185, 0.3826



15.8529, 0.3230, 0.3524



36.0309, 0.3771, 0.5388



2.5381, 0.3839, 0.5334



# Inverse Universe

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



49.1502, 0.2878, 0.2753



59.2236, 0.2817, 0.2627



52.2263, 0.3053, 0.2780



13.4034, 0.3018, 0.3050



3.6416, 0.1641, 0.0678

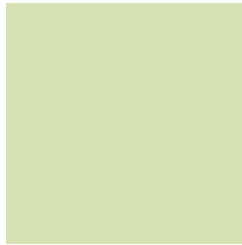


0.2937, 0.1796, 0.0763



# Previews

## White Background



This preview shows how the Yxy color 71.4419, 0.3346, 0.3800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

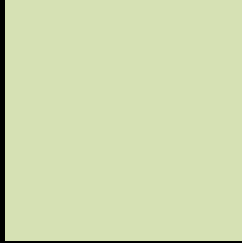
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.4419, 0.3346, 0.3800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

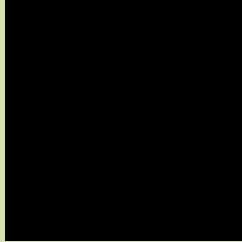
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

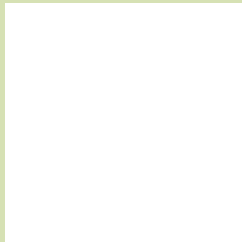
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.4419, 0.3346, 0.3800**

## Background



This preview shows how black text looks on a background with the Yxy color 71.4419, 0.3346, 0.3800.



This preview shows how white text looks on a background with the Yxy color 71.4419, 0.3346, 0.3800.

# 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

71.4419, 0.3346, 0.3800

### Protanopia

71.1610, 0.3523, 0.3749

### Deuteranopia

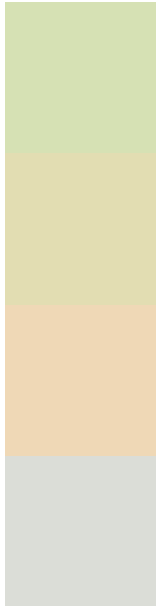
71.0783, 0.3664, 0.3581



## Tritanopia

71.6706, 0.3044, 0.3108

# Trichromacy



**Original Color**

71.4419, 0.3346, 0.3800

**Protanomaly**

71.0960, 0.3457, 0.3767

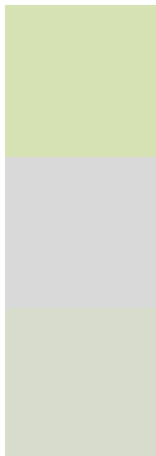
**Deuteranomaly**

70.8399, 0.3540, 0.3656

**Tritanomaly**

71.6793, 0.3153, 0.3356

# Monochromacy



**Original Color**

71.4419, 0.3346, 0.3800

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

70.1450, 0.3205, 0.3469

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4419, 0.3346, 0.3800 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(214, 225, 180)` looks like.

```
.text, #text, p{  
    color:rgb(214, 225, 180)  
}
```

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(214, 225, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 225, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4419, 0.3346, 0.3800 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(214, 225, 180) }
```

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

```
.border{ border-color:rgb(214, 225, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 225, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 225, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 225, 180);  
box-shadow:4px 4px 4px 4px rgb(214, 225,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4419, 0.3346, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 225, 180) }
```

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

```
.background{ background-color: rgb(214,  
225, 180) }
```

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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