

# Converting Colors

$Yxy(71.0001, 0.3426, 0.3976)$

Have a look what the booklet for  
Yxy(71.0001, 0.3426, 0.3976)  
contains.

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# Color

**Yxy(71.1429, 0.3422, 0.3975)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4E2A6
RGB	212, 226, 166
RGB Percent	83%, 89%, 65%
CMY	0.1684, 0.1138, 0.3490
CMYK	0.06, 0.00, 0.27, 0.11
HSL	74°, 51%, 77%
HSV	74°, 27%, 89%
XYZ	61.2455, 71.1429, 46.5874
YIQ	214.9740, 10.9160, -21.6280

# Conversions

## Conversions Part 2

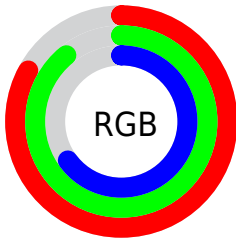
Format	Color
<a href="#">RYB</a>	<a href="#">166, 226, 180</a>
Decimal	<a href="#">13951654</a>
CIELab	<a href="#">87.55, -14.49, 27.84</a>
CIELCh	<a href="#">88, 31.381, 117.499</a>
Yxy	<a href="#">71.1429, 0.3422, 0.3975</a>
Android (android.graphics.Color)	<a href="#">4292141734 (0xFFD4E2A6)</a>
YUV	<a href="#">214.9740, -24.1442, -2.6082</a>
Hunter-Lab	<a href="#">84.3463, -17.9934, 26.2944</a>

# Details

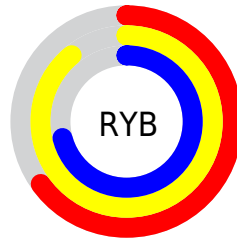
The Yxy color **71.1429, 0.3422, 0.3975** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.4647, 0.2776, 0.2553**, and the grayscale version is **68.1064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **37.5088, 0.3481, 0.4144** is the 20% darker color. If you saturate the color by 10%, you get **69.6207, 0.3528, 0.4244**, and if you desaturate by 10%, it is **72.8424, 0.3311, 0.3708**.

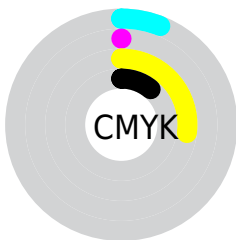
# Distribution



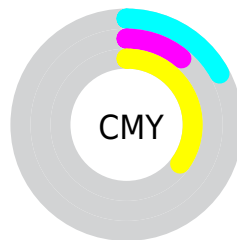
- Red (83%)
- Green (89%)
- Blue (65%)



- Red (65%)
- Yellow (89%)
- Blue (71%)



- Cyan (6%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)




- Cyan (17%)
- Magenta (11%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1429, 0.3422, 0.3975 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 71.1429, 0.3422, 0.3975 by changing the saturation by 10% instead.



 71.1429, 0.3422,  
0.3975


 71.1429, 0.3422,  
0.3975

464.5528, 0.3291,  
0.3649

 52.4588, 0.3450,  
0.4051

 120.8372, 0.3378,  
0.3861

 37.3709, 0.3484,  
0.4146


 152.6162, 0.3360,  
0.3816

 25.4948, 0.3524,  
0.4267


189.5289, 0.3345,  
0.3779

 16.4461, 0.3574,  
0.4426

231.9598, 0.3332,  
0.3746

 9.8404, 0.3633,  
0.4643

280.2933, 0.3320,  
0.3717

 5.2932, 0.3701,  
0.4955

334.9136, 0.3309,

 2.4203, 0.3928,

0.3692

0.5673

396.2054, 0.3300,  
0.3669

0.8363, 0.3453,  
0.6547

0.0000, 0.0000,  
0.0000

71.1429, 0.3422,  
0.3975

71.1429, 0.3422,  
0.3975

69.6207, 0.3528,  
0.4244

72.8424, 0.3311,  
0.3708

68.2586, 0.3623,  
0.4507


74.7172, 0.3199,  
0.3451


67.0511, 0.3703,  
0.4752


76.7772, 0.3090,  
0.3208

65.9889, 0.3763,  
0.4967


78.9376, 0.2993,  
0.2996

 65.0611, 0.3798,  
0.5143


 79.8340, 0.3028,  
0.2999


 64.2555, 0.3807,  
0.5273


 80.7568, 0.3063,  
0.3002

 63.5562, 0.3791,  
0.5356

 81.7064, 0.3098,  
0.3005

 63.3297, 0.3783,  
0.5378

 82.6829, 0.3134,  
0.3008

 82.8655, 0.3140,  
0.3009

# Harmonies

## Analogous

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



71.1429, 0.3733, 0.3892



71.1429, 0.3422, 0.3975



71.1429, 0.3043, 0.3846

# Triad

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



71.1429, 0.3422, 0.3975



71.1429, 0.2423, 0.2861



71.1429, 0.3553, 0.3050

# Complementary

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



71.1429, 0.3422, 0.3975



42.4647, 0.2776, 0.2553

# Split Complementary

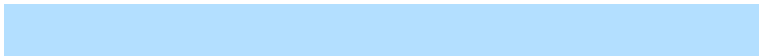
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.1429, 0.3176, 0.2811



71.1429, 0.3422, 0.3975



71.1429, 0.2538, 0.2695

# Square

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



71.1429, 0.3422, 0.3975



71.1429, 0.2480, 0.3165



71.1429, 0.2806, 0.2683



71.1429, 0.3819, 0.3351



# Rectangle

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



71.1429, 0.3422, 0.3975



71.1429, 0.2805, 0.3653



71.1429, 0.2806, 0.2683



71.1429, 0.3434, 0.2960

# Sweetspot

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



71.1460, 0.3422, 0.3975



97.8679, 0.3216, 0.3489



51.1647, 0.3658, 0.3443



20.8657, 0.3233, 0.3527



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.



71.1460, 0.3422, 0.3975



92.3952, 0.3483, 0.4128



67.2076, 0.3209, 0.4023



15.8608, 0.3232, 0.3524



36.1906, 0.3789, 0.5373



2.5480, 0.3855, 0.5321



# Inverse Universe

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



42.4647, 0.2776, 0.2553



48.5121, 0.2685, 0.2372



46.3234, 0.3014, 0.2602



13.3961, 0.3017, 0.3050



3.6009, 0.1630, 0.0672

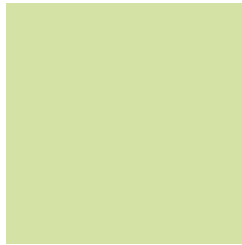


0.2900, 0.1782, 0.0755



# Previews

## White Background



This preview shows how the Yxy color 71.1429, 0.3422, 0.3975 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

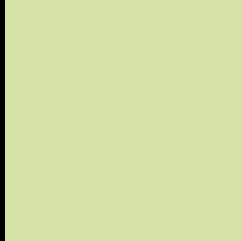
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.1429, 0.3422, 0.3975 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

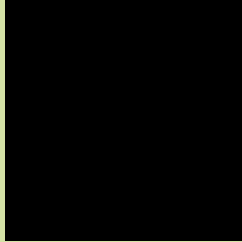
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.1429, 0.3422, 0.3975**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1429, 0.3422, 0.3975.

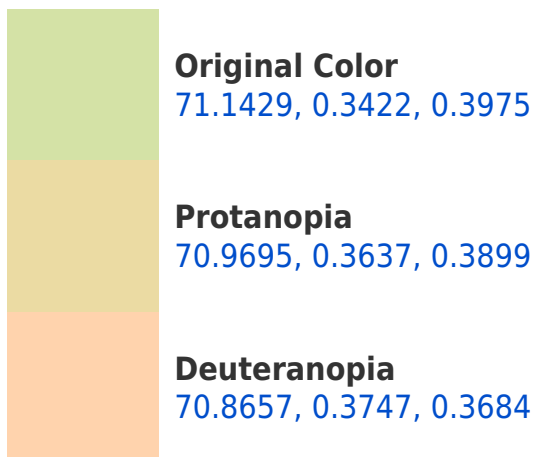


This preview shows how white text looks on a background with the Yxy color 71.1429, 0.3422, 0.3975.

# 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

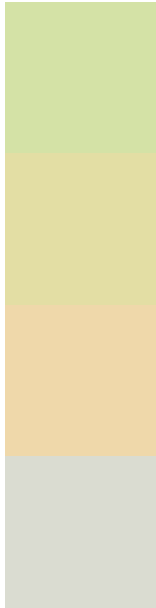




## Tritanopia

70.9384, 0.3044, 0.3107

# Trichromacy



**Original Color**

71.1429, 0.3422, 0.3975

**Protanomaly**

71.2538, 0.3559, 0.3932

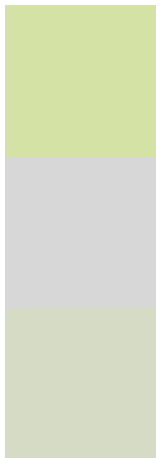
**Deuteranomaly**

70.3647, 0.3627, 0.3786

**Tritanomaly**

70.6953, 0.3186, 0.3412

# Monochromacy



**Original Color**

71.1429, 0.3422, 0.3975

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

68.9904, 0.3239, 0.3539

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1429, 0.3422, 0.3975 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(212, 226, 166)` looks like.

```
.text, #text, p{  
    color:rgb(212, 226, 166)  
}
```

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(212, 226, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 226, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1429, 0.3422, 0.3975 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(212, 226, 166) }
```

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

```
.border{ border-color:rgb(212, 226, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 226, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 226, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 226, 166); box-shadow:4px 4px 4px 4px rgb(212, 226, 166) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1429, 0.3422, 0.3975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 226, 166) }
```

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

```
.background{ background-color: rgb(212,  
226, 166) }
```

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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