

# Converting Colors

Yxy(71.9539, 0.3541, 0.4184)

Have a look what the booklet for  
Yxy(71.9539, 0.3541, 0.4184)  
contains.

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# Color

**Yxy(71.9529, 0.3541, 0.4184)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6E495
RGB	214, 228, 149
RGB Percent	84%, 89%, 58%
CMY	0.1609, 0.1058, 0.4156
CMYK	0.06, 0.00, 0.35, 0.11
HSL	71°, 59%, 74%
HSV	71°, 35%, 89%
XYZ	60.8951, 71.9529, 39.1235
YIQ	214.8080, 17.0150, -27.5370

# Conversions

## Conversions Part 2

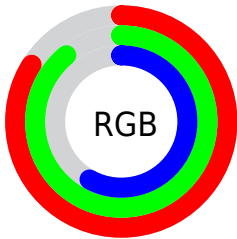
Format	Color
<a href="#">RYB</a>	<a href="#">149, 228, 163</a>
Decimal	<a href="#">14083221</a>
CIELab	<a href="#">87.95, -17.00, 37.03</a>
CIELCh	<a href="#">88, 40.748, 114.661</a>
Yxy	<a href="#">71.9529, 0.3541, 0.4184</a>
Android (android.graphics.Color)	<a href="#">4292273301 (0xFFD6E495)</a>
YUV	<a href="#">214.8080, -32.4433, -0.7086</a>
Hunter-Lab	<a href="#">84.8251, -20.3003, 32.0314</a>

# Details

The Yxy color **71.9529, 0.3541, 0.4184** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.9000, 0.2609, 0.2284**, and the grayscale version is **68.0338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1396, 0.3430, 0.3790**, and **38.0193, 0.3619, 0.4409** is the 20% darker color. If you saturate the color by 10%, you get **70.6953, 0.3649, 0.4441**, and if you desaturate by 10%, it is **73.3747, 0.3424, 0.3920**.

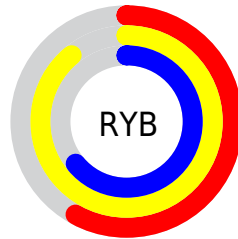
# Distribution



Red (84%)

Green (89%)

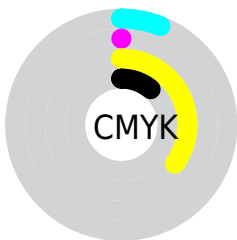
Blue (58%)



Red (58%)

Yellow (89%)

Blue (64%)

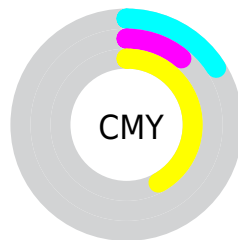


Cyan (6%)

Magenta (0%)

Yellow (35%)

Black (11%)



Cyan (16%)

Magenta (11%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9529, 0.3541, 0.4184 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 71.9529, 0.3541, 0.4184 by changing the saturation by 10% instead.




 71.9529, 0.3541,  
0.4184

 71.9529, 0.3541,  
0.4184


467.3776, 0.3360,  
0.3760

 53.1202, 0.3578,  
0.4282


 121.9896, 0.3481,  
0.4036

 37.8987, 0.3622,  
0.4403

 153.9623, 0.3457,  
0.3979

 25.9041, 0.3673,  
0.4555


191.0839, 0.3436,  
0.3929

 16.7519, 0.3732,  
0.4753

233.7387, 0.3417,  
0.3887

 10.0578, 0.3795,  
0.5014

282.3110, 0.3401,  
0.3849

 5.4373, 0.3853,  
0.5376

337.1854, 0.3386,


 2.5060, 0.3962,


0.3816


0.6038


398.7461, 0.3372,  
0.3787


 0.8797, 0.3237,  
0.6763


 0.0000, 0.0000,  
0.0000


 71.9529, 0.3541,  
0.4184


 71.9529, 0.3541,  
0.4184


 70.6953, 0.3649,  
0.4441

 73.3747, 0.3424,  
0.3920


 69.5837, 0.3742,  
0.4681


 74.9589, 0.3303,  
0.3657


 68.6121, 0.3816,  
0.4891


 76.7158, 0.3182,  
0.3403

 67.7700, 0.3865,  
0.5064


 78.6522, 0.3065,  
0.3163


 67.0451, 0.3889,  
0.5191

 80.2463, 0.3001,  
0.3017


 66.4228, 0.3887,  
0.5272

 80.9412, 0.3028,  
0.3020

 66.1186, 0.3878,  
0.5303

 81.6519, 0.3054,  
0.3022

 82.3785, 0.3082,  
0.3024

 83.1211, 0.3109,  
0.3026

# Harmonies

## Analogous

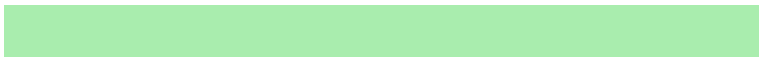
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9529, 0.3932, 0.4034



71.9529, 0.3541, 0.4184



71.9529, 0.3057, 0.4053

# Triad

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



71.9529, 0.3541, 0.4184



71.9529, 0.2231, 0.2761



71.9529, 0.3634, 0.2948

# Complementary

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



71.9529, 0.3541, 0.4184



34.9000, 0.2609, 0.2284

# Split Complementary

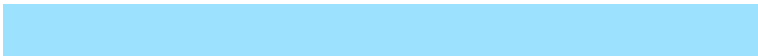
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.9529, 0.3137, 0.2663



71.9529, 0.3541, 0.4184



71.9529, 0.2355, 0.2541

# Square

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



71.9529, 0.3541, 0.4184



71.9529, 0.2320, 0.3162



71.9529, 0.2673, 0.2515



71.9529, 0.4002, 0.3318



# Rectangle

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



71.9529, 0.3541, 0.4184



71.9529, 0.2749, 0.3809



71.9529, 0.2673, 0.2515



71.9529, 0.3474, 0.2841

# Sweetspot

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



71.9561, 0.3541, 0.4184



97.6155, 0.3247, 0.3539



44.5754, 0.3895, 0.3446



20.8260, 0.3265, 0.3575



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.



71.9561, 0.3541, 0.4184



91.4810, 0.3624, 0.4381



66.8196, 0.3256, 0.4272



16.6808, 0.3240, 0.3524



38.2217, 0.3883, 0.5299



2.8585, 0.3931, 0.5261



# Inverse Universe

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



34.9000, 0.2609, 0.2284



36.5774, 0.2469, 0.2027



39.6186, 0.2934, 0.2371



14.0097, 0.3008, 0.3049



3.5373, 0.1582, 0.0645

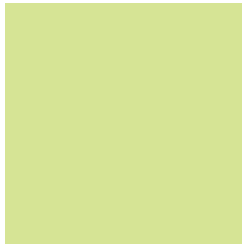


0.2975, 0.1709, 0.0715



# Previews

## White Background



This preview shows how the Yxy color 71.9529, 0.3541, 0.4184 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 71.9529, 0.3541, 0.4184 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

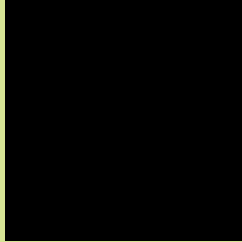
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

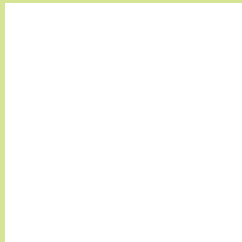
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.9529, 0.3541, 0.4184**

## Background



This preview shows how black text looks on a background with the Yxy color 71.9529, 0.3541, 0.4184.

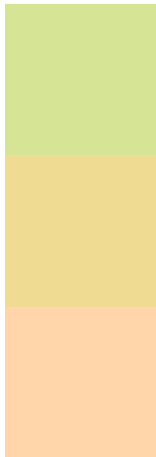


This preview shows how white text looks on a background with the Yxy color 71.9529, 0.3541, 0.4184.

# 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

71.9529, 0.3541, 0.4184

### Protanopia

71.6124, 0.3782, 0.4080

### Deuteranopia

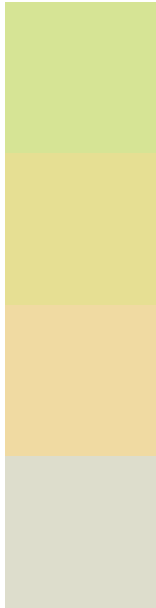
71.7131, 0.3770, 0.3745



## Tritanopia

71.6314, 0.3065, 0.3099

# Trichromacy



## Original Color

71.9529, 0.3541, 0.4184

## Protanomaly

71.7049, 0.3694, 0.4120

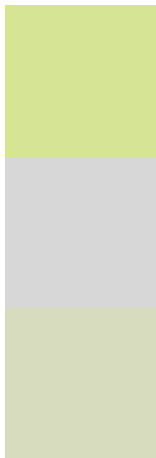
## Deuteranomaly

71.2767, 0.3686, 0.3891

## Tritanomaly

71.4447, 0.3241, 0.3478

# Monochromacy



## Original Color

71.9529, 0.3541, 0.4184

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

69.3951, 0.3286, 0.3618

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.9529, 0.3541, 0.4184 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, 228, 149)` looks like.

```
.text, #text, p{  
    color:rgb(214, 228, 149)  
}
```

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, 228, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 228, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 71.9529, 0.3541, 0.4184 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, 228, 149) }
```

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

```
.border{ border-color:rgb(214, 228, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 228, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 228, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 228, 149); box-shadow:4px 4px 4px 4px rgb(214, 228, 149) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.9529, 0.3541, 0.4184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 228, 149) }
```

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

```
.background{ background-color: rgb(214,  
228, 149) }
```

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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