

# Converting Colors

$Yxy(71.7311, 0.3461, 0.3999)$

Have a look what the booklet for  
Yxy(71.7311, 0.3461, 0.3999)  
contains.

<b>Yxy(71.5201, 0.3457, 0.3993)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(71.5201, 0.3457, 0.3993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7E2A4
RGB	215, 226, 164
RGB Percent	84%, 89%, 64%
CMY	0.1569, 0.1137, 0.3568
CMYK	0.05, 0.00, 0.27, 0.11
HSL	71°, 52%, 76%
HSV	71°, 27%, 89%
XYZ	61.9196, 71.5201, 45.6740
YIQ	215.6430, 13.3460, -21.6140

# Conversions

## Conversions Part 2

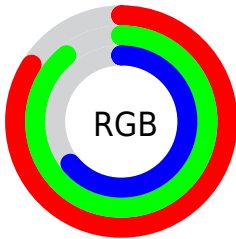
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 226, 175
Decimal	14148260
CIELab	87.74, -13.70, 29.14
CIELCh	88, 32.201, 115.176
Yxy	71.5201, 0.3457, 0.3993
Android (android.graphics.Color)	4292338340 (0xFFD7E2A4)
YUV	215.6430, -25.4600, -0.5639
Hunter-Lab	84.5696, -17.3037, 27.1776

# Details

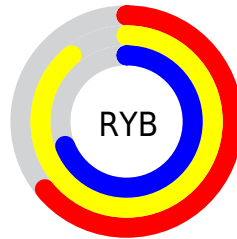
The Yxy color **71.5201, 0.3457, 0.3993** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.1710, 0.2735, 0.2519**, and the grayscale version is **68.5848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **37.7693, 0.3527, 0.4165** is the 20% darker color. If you saturate the color by 10%, you get **70.1767, 0.3572, 0.4256**, and if you desaturate by 10%, it is **73.0299, 0.3337, 0.3729**.

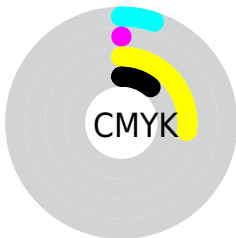
# Distribution



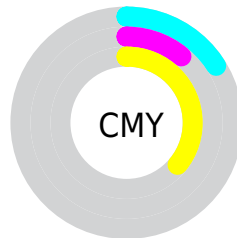
- Red (84%)
- Green (89%)
- Blue (64%)



- Red (64%)
- Yellow (89%)
- Blue (69%)



- Cyan (5%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)




- Cyan (16%)
- Magenta (11%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5201, 0.3457, 0.3993 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 71.5201, 0.3457, 0.3993 by changing the saturation by 10% instead.




 71.5201, 0.3457,  
0.3993

 71.5201, 0.3457,  
0.3993


465.8695, 0.3310,  
0.3660

 52.7667, 0.3489,  
0.4071


 121.3740, 0.3407,  
0.3876

 37.6166, 0.3526,  
0.4167


 153.2433, 0.3388,  
0.3831

 25.6853, 0.3572,  
0.4289


190.2534, 0.3371,  
0.3792

 16.5883, 0.3628,  
0.4450

232.7887, 0.3356,  
0.3759

 9.9414, 0.3695,  
0.4668

281.2336, 0.3342,  
0.3729

 5.3601, 0.3772,  
0.4976

335.9724, 0.3330,

 2.4601, 0.4043,

0.3703

0.5723

397.3896, 0.3320,  
0.3680

0.8565, 0.3590,  
0.6410

0.0000, 0.0000,  
0.0000

71.5201, 0.3457,  
0.3993

71.5201, 0.3457,  
0.3993

70.1767, 0.3572,  
0.4256

73.0299, 0.3337,  
0.3729

68.9824, 0.3676,  
0.4510


74.7038, 0.3216,  
0.3473

67.9319, 0.3765,  
0.4742


76.5517, 0.3097,  
0.3229


67.0158, 0.3832,  
0.4943


78.5801, 0.2983,  
0.3001


 66.2234, 0.3874,  
0.5103


 79.2937, 0.3006,  
0.2997


 65.5421, 0.3890,  
0.5218

 79.9860, 0.3033,  
0.3000

 64.9554, 0.3882,  
0.5288

 80.6939, 0.3060,  
0.3002

 64.8128, 0.3878,  
0.5303

 81.4175, 0.3087,  
0.3004

 82.1568, 0.3114,  
0.3007

# Harmonies

## Analogous

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



71.5201, 0.3767, 0.3892



71.5201, 0.3457, 0.3993



71.5201, 0.3071, 0.3879

# Triad

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



71.5201, 0.3457, 0.3993



71.5201, 0.2405, 0.2870



71.5201, 0.3536, 0.3022

# Complementary

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



71.5201, 0.3457, 0.3993



41.1710, 0.2735, 0.2519

# Split Complementary

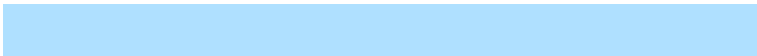
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.5201, 0.3146, 0.2786



71.5201, 0.3457, 0.3993



71.5201, 0.2509, 0.2688

# Square

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



71.5201, 0.3457, 0.3993



71.5201, 0.2477, 0.3190



71.5201, 0.2773, 0.2665



71.5201, 0.3821, 0.3327



# Rectangle

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



71.5201, 0.3457, 0.3993



71.5201, 0.2824, 0.3689



71.5201, 0.2773, 0.2665



71.5201, 0.3411, 0.2933

# Sweetspot

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



71.5233, 0.3457, 0.3993



98.0734, 0.3223, 0.3488



49.2610, 0.3690, 0.3412



20.9178, 0.3241, 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.



71.5233, 0.3457, 0.3993



92.9856, 0.3525, 0.4146



67.3539, 0.3234, 0.4046



15.8998, 0.3240, 0.3523



37.0195, 0.3883, 0.5299



2.5987, 0.3934, 0.5259



# Inverse Universe

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



41.1710, 0.2735, 0.2519



46.7054, 0.2635, 0.2331



45.0799, 0.2983, 0.2572



13.3599, 0.3008, 0.3050



3.4285, 0.1583, 0.0646

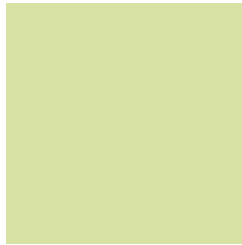


0.2727, 0.1718, 0.0720



# Previews

## White Background



This preview shows how the Yxy color 71.5201, 0.3457, 0.3993 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 71.5201, 0.3457, 0.3993 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

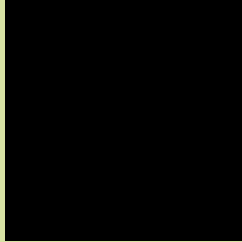
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

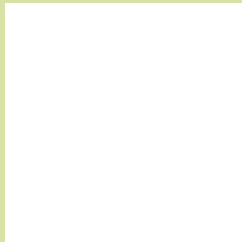
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.5201, 0.3457, 0.3993**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.5201, 0.3457, 0.3993.

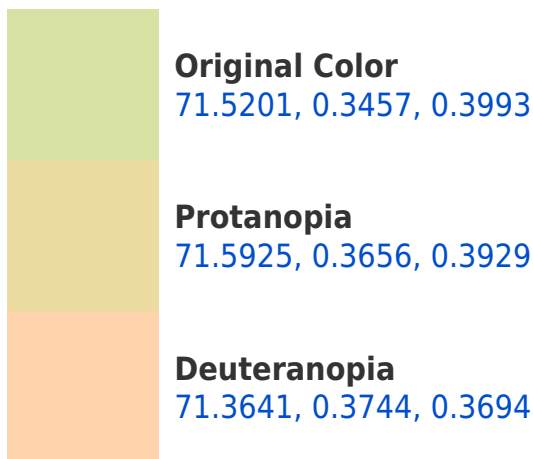


This preview shows how white text looks on a background with the Yxy color 71.5201, 0.3457, 0.3993.

# 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

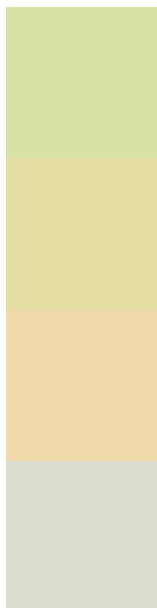




## Tritanopia

71.4135, 0.3065, 0.3109

# Trichromacy



## Original Color

71.5201, 0.3457, 0.3993

## Protanomaly

71.3452, 0.3580, 0.3952

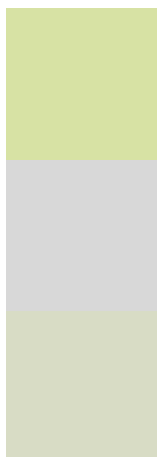
## Deuteranomaly

71.0533, 0.3632, 0.3795

## Tritanomaly

71.1620, 0.3208, 0.3411

# Monochromacy



## Original Color

71.5201, 0.3457, 0.3993

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.8165, 0.3253, 0.3549

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.5201, 0.3457, 0.3993 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(215, 226, 164)` looks like.

```
.text, #text, p{  
    color:rgb(215, 226, 164)  
}
```

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(215, 226, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 226, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 71.5201, 0.3457, 0.3993 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(215, 226, 164) }
```

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

```
.border{ border-color:rgb(215, 226, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 226, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 226, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 226, 164);  
box-shadow:4px 4px 4px 4px rgb(215, 226,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.5201, 0.3457, 0.3993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 226, 164) }
```

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

```
.background{ background-color: rgb(215,  
226, 164) }
```

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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