

# Converting Colors

$Yxy(71.1951, 0.3456, 0.4003)$

Have a look what the booklet for  
Yxy(71.1951, 0.3456, 0.4003)  
contains.

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# Color

**Yxy(71.3332, 0.3456, 0.4006)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6E2A3
RGB	214, 226, 163
RGB Percent	84%, 89%, 64%
CMY	0.1608, 0.1137, 0.3606
CMYK	0.05, 0.00, 0.28, 0.11
HSL	71°, 52%, 76%
HSV	71°, 28%, 89%
XYZ	61.5396, 71.3332, 45.1931
YIQ	215.2300, 13.0710, -22.1370

# Conversions

## Conversions Part 2

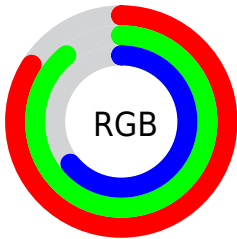
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">163, 226, 175</a>
Decimal	<a href="#">14082723</a>
CIELab	<a href="#">87.65, -14.20, 29.51</a>
CIELCh	<a href="#">88, 32.750, 115.690</a>
Yxy	<a href="#">71.3332, 0.3456, 0.4006</a>
Android (android.graphics.Color)	<a href="#">4292272803 (0xFFD6E2A3)</a>
YUV	<a href="#">215.2300, -25.7494, -1.0787</a>
Hunter-Lab	<a href="#">84.4590, -17.7423, 27.3958</a>

# Details

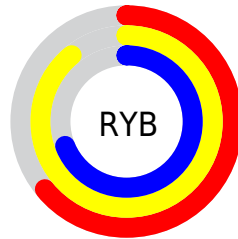
The Yxy color **71.3332, 0.3456, 0.4006** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.8199, 0.2734, 0.2507**, and the grayscale version is **68.2931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **37.6444, 0.3525, 0.4182** is the 20% darker color. If you saturate the color by 10%, you get **69.9568, 0.3568, 0.4271**, and if you desaturate by 10%, it is **72.8779, 0.3338, 0.3741**.

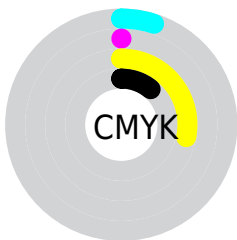
# Distribution



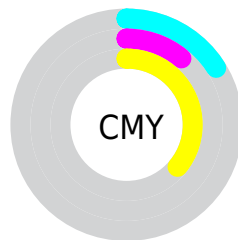
- Red (84%)
- Green (89%)
- Blue (64%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3332, 0.3456, 0.4006 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 71.3332, 0.3456, 0.4006 by changing the saturation by 10% instead.





 71.3332, 0.3456,  
0.4006

 71.3332, 0.3456,  
0.4006

465.2174, 0.3310,  
0.3666

 52.6142, 0.3487,  
0.4085


 121.1080, 0.3407,  
0.3887

 37.4948, 0.3525,  
0.4183


 152.9326, 0.3387,  
0.3841

 25.5909, 0.3570,  
0.4309


189.8945, 0.3370,  
0.3801

 16.5178, 0.3625,  
0.4473

232.3781, 0.3355,  
0.3767

 9.8913, 0.3690,  
0.4696

280.7678, 0.3342,  
0.3737

 5.3269, 0.3764,  
0.5011

335.4480, 0.3330,

 2.4403, 0.4048,


0.3711


0.5801

396.8030, 0.3319,  
0.3687


 0.8465, 0.3511,  
0.6489


 0.0000, 0.0000,  
0.0000


 71.3332, 0.3456,  
0.4006


 71.3332, 0.3456,  
0.4006


 69.9568, 0.3568,  
0.4271


 72.8779, 0.3338,  
0.3741

 68.7313, 0.3670,  
0.4525


 74.5887, 0.3219,  
0.3484

 67.6514, 0.3755,  
0.4759


 76.4755, 0.3103,  
0.3239


 66.7076, 0.3819,  
0.4961


 78.5447, 0.2991,  
0.3010


 65.8891, 0.3858,  
0.5122


 79.3721, 0.3010,  
0.2998

 65.1833, 0.3870,  
0.5237


 80.1173, 0.3038,  
0.3000

 64.5728, 0.3859,  
0.5308

 80.8804, 0.3067,  
0.3003

 64.4488, 0.3855,  
0.5321

 81.6616, 0.3096,  
0.3005

 82.4610, 0.3125,  
0.3008

# Harmonies

## Analogous

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



71.3332, 0.3774, 0.3905



71.3332, 0.3456, 0.4006



71.3332, 0.3063, 0.3886

# Triad

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



71.3332, 0.3456, 0.4006



71.3332, 0.2393, 0.2858



71.3332, 0.3549, 0.3022

# Complementary

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



71.3332, 0.3456, 0.4006



40.8199, 0.2734, 0.2507

# Split Complementary

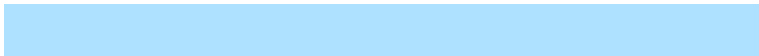
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.3332, 0.3153, 0.2781



71.3332, 0.3456, 0.4006



71.3332, 0.2502, 0.2676

# Square

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



71.3332, 0.3456, 0.4006



71.3332, 0.2463, 0.3181



71.3332, 0.2772, 0.2655



71.3332, 0.3837, 0.3332



# Rectangle

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



71.3332, 0.3456, 0.4006



71.3332, 0.2812, 0.3691



71.3332, 0.2772, 0.2655



71.3332, 0.3423, 0.2931

# Sweetspot

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



71.3364, 0.3456, 0.4006



98.0243, 0.3221, 0.3489



49.3134, 0.3698, 0.3426



20.9053, 0.3239, 0.3527



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

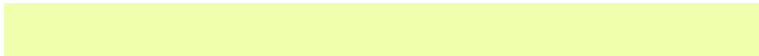


# Same Dimension

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



71.3364, 0.3456, 0.4006



92.7956, 0.3517, 0.4148



67.1061, 0.3228, 0.4061



15.8905, 0.3238, 0.3524



36.8154, 0.3861, 0.5316



2.5863, 0.3915, 0.5274



# Inverse Universe

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



40.8199, 0.2734, 0.2507



46.8421, 0.2643, 0.2333



44.8310, 0.2989, 0.2562



13.3685, 0.3010, 0.3050



3.4654, 0.1593, 0.0651

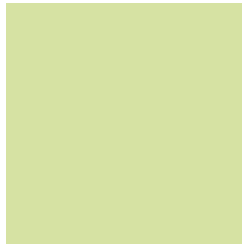


0.2768, 0.1733, 0.0729



# Previews

## White Background



This preview shows how the Yxy color 71.3332, 0.3456, 0.4006 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 71.3332, 0.3456, 0.4006 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

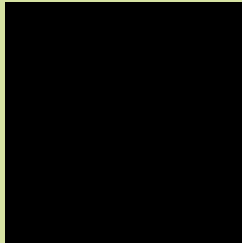
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

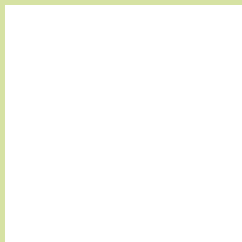
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.3332, 0.3456, 0.4006**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.3332, 0.3456, 0.4006.

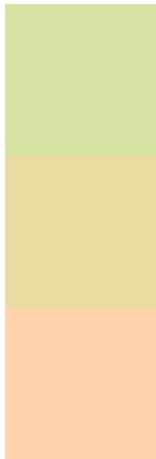


This preview shows how white text looks on a background with the Yxy color 71.3332, 0.3456, 0.4006.

# 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

71.3332, 0.3456, 0.4006

### Protanopia

71.0340, 0.3666, 0.3929

### Deuteranopia

70.8271, 0.3755, 0.3694



## Tritanopia

71.2542, 0.3058, 0.3108

# Trichromacy



## Original Color

71.3332, 0.3456, 0.4006

## Protanomaly

71.3097, 0.3587, 0.3963

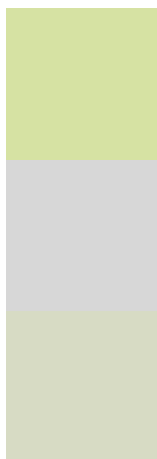
## Deuteranomaly

70.5016, 0.3642, 0.3796

## Tritanomaly

70.9561, 0.3207, 0.3423

# Monochromacy



## Original Color

71.3332, 0.3456, 0.4006

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

69.0956, 0.3253, 0.3550

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.3332, 0.3456, 0.4006 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, 226, 163)` looks like.

```
.text, #text, p{  
    color:rgb(214, 226, 163)  
}
```

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, 226, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 226, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 71.3332, 0.3456, 0.4006 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, 226, 163) }
```

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

```
.border{ border-color:rgb(214, 226, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 226, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 226, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 226, 163);  
box-shadow:4px 4px 4px 4px rgb(214, 226,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.3332, 0.3456, 0.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 226, 163) }
```

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

```
.background{ background-color: rgb(214,  
226, 163) }
```

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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