

Converting Colors

$Y_{xy}(72.0686, 0.3718, 0.4311)$

Have a look what the booklet for
Yxy(72.0686, 0.3718, 0.4311)
contains.

Yxy(71.9335, 0.3725, 0.4310)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.9335, 0.3725, 0.4310)

Conversions

Conversions Part 1

Format	Color
Hex	E0E285
RGB	224, 226, 133
RGB Percent	88%, 89%, 52%
CMY	0.1216, 0.1137, 0.4784
CMYK	0.01, 0.00, 0.41, 0.11
HSL	61°, 62%, 70%
HSV	61°, 41%, 89%
XYZ	62.1699, 71.9335, 32.7957
YIQ	214.8000, 28.6610, -29.3470

Conversions

Conversions Part 2

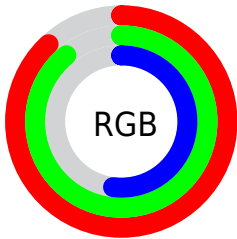
Format	Color
RYB	133, 226, 135
Decimal	14738053
CIELab	87.94, -13.97, 45.14
CIElCh	88, 47.250, 107.204
Yxy	71.9335, 0.3725, 0.4310
Android (android.graphics.Color)	4292928133 (0xFFE0E285)
YUV	214.8000, -40.3274, 8.0684
Hunter-Lab	84.8136, -17.5801, 36.4433

Details

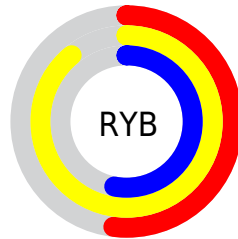
The Yxy color **71.9335, 0.3725, 0.4310** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.4164, 0.2377, 0.2030**, and the grayscale version is **68.0776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **37.9354, 0.3838, 0.4552** is the 20% darker color. If you saturate the color by 10%, you get **71.3000, 0.3853, 0.4531**, and if you desaturate by 10%, it is **72.7081, 0.3585, 0.4069**.

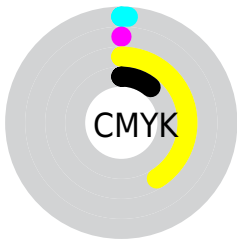
Distribution



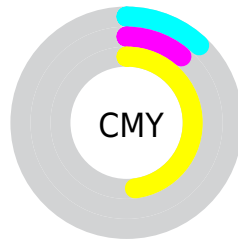
- Red (88%)
- Green (89%)
- Blue (52%)



- Red (52%)
- Yellow (89%)
- Blue (53%)



- Cyan (1%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)





- Cyan (12%)
- Magenta (11%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9335, 0.3725, 0.4310 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 71.9335, 0.3725, 0.4310 by changing the saturation by 10% instead.


 71.9335, 0.3725,
0.4310


 71.9335, 0.3725,
0.4310

467.3101, 0.3464,
0.3834

 53.1044, 0.3778,
0.4417

 121.9620, 0.3639,
0.4146

 37.8861, 0.3840,
0.4547


 153.9301, 0.3604,
0.4081

 25.8943, 0.3911,
0.4707


 191.0467, 0.3574,
0.4026

 16.7446, 0.3991,
0.4908

233.6961, 0.3547,
0.3978

 10.0525, 0.4073,
0.5161

282.2628, 0.3523,
0.3935

 5.4338, 0.4209,
0.5574

337.1310, 0.3501,

 2.5040, 0.4129,

0.3897

0.5871

398.6854, 0.3482,
0.3864

0.8786, 0.3599,
0.6401

0.0000, 0.0000,
0.0000

71.9335, 0.3725,
0.4310

71.9335, 0.3725,
0.4310

71.3000, 0.3853,
0.4531

72.7081, 0.3585,
0.4069

70.7892, 0.3962,
0.4722


73.6221, 0.3438,
0.3817

70.3945, 0.4048,
0.4876

74.6858, 0.3289,
0.3565


70.1049, 0.4108,
0.4986


75.9062, 0.3144,
0.3318

 69.9070, 0.4143,
0.5053


 77.2897, 0.3004,
0.3082

 69.7886, 0.4155,
0.5083

 77.9351, 0.2953,
0.2992

 78.0145, 0.2956,
0.2993

 78.0942, 0.2959,
0.2993

 78.1740, 0.2962,
0.2993

Harmonies

Analogous

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



71.9335, 0.4132, 0.4057



71.9335, 0.3725, 0.4310



71.9335, 0.3178, 0.4258

Triad

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



71.9335, 0.3725, 0.4310



71.9335, 0.2106, 0.2769



71.9335, 0.3575, 0.2804

Complementary

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



71.9335, 0.3725, 0.4310



27.4164, 0.2377, 0.2030

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.



71.9335, 0.2991, 0.2517



71.9335, 0.3725, 0.4310



71.9335, 0.2187, 0.2470

Square

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



71.9335, 0.3725, 0.4310



71.9335, 0.2262, 0.3273



71.9335, 0.2494, 0.2393



71.9335, 0.4062, 0.3204

Rectangle

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



71.9335, 0.3725, 0.4310



71.9335, 0.2811, 0.4020



71.9335, 0.2494, 0.2393



71.9335, 0.3381, 0.2693

Sweetspot

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



71.9368, 0.3725, 0.4310



98.0585, 0.3303, 0.3588



35.0647, 0.4174, 0.3311



20.9472, 0.3322, 0.3621



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.



71.9368, 0.3725, 0.4310



93.8851, 0.3831, 0.4493



65.5488, 0.3374, 0.4443



16.0137, 0.3264, 0.3522



39.8190, 0.4156, 0.5082



2.7649, 0.4162, 0.5077

Inverse Universe

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



27.4164, 0.2377, 0.2030



28.1645, 0.2202, 0.1739



32.0952, 0.2759, 0.2150



13.2573, 0.2984, 0.3048



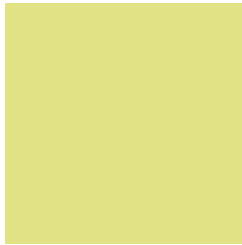
3.1571, 0.1507, 0.0604



0.2239, 0.1528, 0.0615

Previews

White Background



This preview shows how the Yxy color 71.9335, 0.3725, 0.4310 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 71.9335, 0.3725, 0.4310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

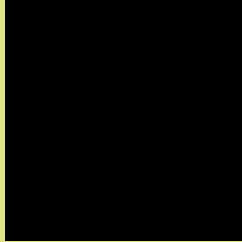
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9335, 0.3725, 0.4310

Background



This preview shows how black text looks on a background with the Yxy color 71.9335, 0.3725, 0.4310.

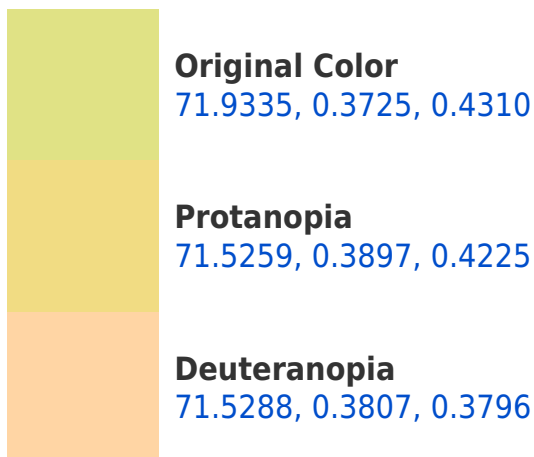


This preview shows how white text looks on a background with the Yxy color 71.9335, 0.3725, 0.4310.

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

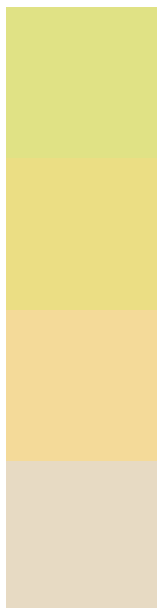




Tritanopia

71.5248, 0.3165, 0.3112

Trichromacy



Original Color

71.9335, 0.3725, 0.4310

Protanomaly

71.5707, 0.3834, 0.4251

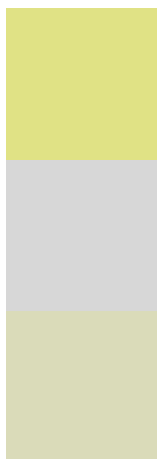
Deuteranomaly

71.6758, 0.3781, 0.3978

Tritanomaly

71.0719, 0.3382, 0.3541

Monochromacy



Original Color

71.9335, 0.3725, 0.4310

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

69.0712, 0.3351, 0.3674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9335, 0.3725, 0.4310 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(224, 226, 133)` looks like.

```
.text, #text, p{  
    color:rgb(224, 226, 133)  
}
```

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(224, 226, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 226, 133) }
```

Border

The CSS property to change the border of an element to Yxy 71.9335, 0.3725, 0.4310 is called "border". The border property can be set on classes, ids or directly on the HTML element.

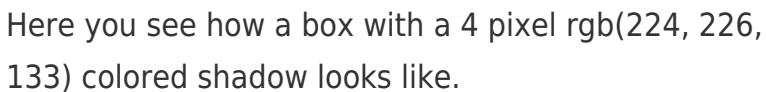
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 226, 133) }
```

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

```
.border{ border-color:rgb(224, 226, 133) }
```

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



Here you see how a box with a 4 pixel `rgb(224, 226, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 226, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 226, 133); box-shadow:4px 4px 4px 4px rgb(224, 226, 133) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9335, 0.3725, 0.4310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 226, 133) }
```

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

```
.background{ background-color: rgb(224,  
226, 133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor