

Converting Colors

$Y_{xy}(71.6810, 0.3900, 0.4301)$

Have a look what the booklet for
Yxy(71.6810, 0.3900, 0.4301)
contains.

Yxy(71.9261, 0.3895, 0.4300)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.9261, 0.3895, 0.4300)

Conversions

Conversions Part 1

Format	Color
Hex	EEDE7E
RGB	238, 222, 126
RGB Percent	93%, 87%, 49%
CMY	0.0666, 0.1294, 0.5058
CMYK	0.00, 0.07, 0.47, 0.07
HSL	51°, 77%, 71%
HSV	51°, 47%, 93%
XYZ	65.1517, 71.9261, 30.1922
YIQ	215.8400, 40.3520, -26.4640

Conversions

Conversions Part 2

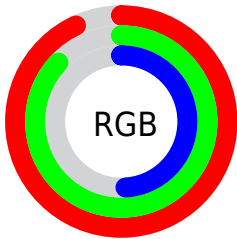
Format	Color
RYB	145, 238, 126
Decimal	15654526
CIELab	87.93, -7.13, 48.78
CIELCh	88, 49.294, 98.315
Yxy	71.9261, 0.3895, 0.4300
Android (android.graphics.Color)	4293844606 (0xFFEED7E7)
YUV	215.8400, -44.2911, 19.4343
Hunter-Lab	84.8093, -11.2900, 38.2591

Details

The Yxy color **71.9261, 0.3895, 0.4300** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.9658, 0.2269, 0.2017**, and the grayscale version is **68.8454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0753, 0.3573, 0.4028**, and **37.8351, 0.4047, 0.4520** is the 20% darker color. If you saturate the color by 10%, you get **69.5965, 0.4052, 0.4483**, and if you desaturate by 10%, it is **74.4450, 0.3729, 0.4095**.

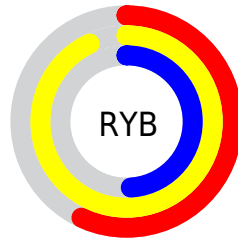
Distribution



Red (93%)

Green (87%)

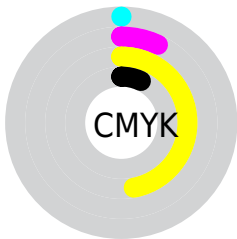
Blue (49%)



Red (57%)

Yellow (93%)

Blue (49%)

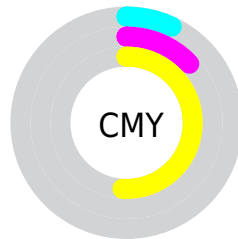


Cyan (0%)

Magenta (7%)

Yellow (47%)

Black (7%)



Cyan (7%)


Magenta (13%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9261, 0.3895, 0.4300 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 71.9261, 0.3895, 0.4300 by changing the saturation by 10% instead.


 71.9261, 0.3895,
0.4300

 71.9261, 0.3895,
0.4300

467.2843, 0.3556,
0.3839


 53.0983, 0.3965,
0.4400

 121.9515, 0.3783,
0.4144

 37.8813, 0.4047,
0.4520


 153.9178, 0.3737,
0.4082

 25.8905, 0.4142,
0.4664


 191.0325, 0.3698,
0.4028

 16.7418, 0.4250,
0.4837

233.6799, 0.3663,
0.3981

 10.0506, 0.4366,
0.5044

282.2443, 0.3632,
0.3939

 5.4325, 0.4586,
0.5414

337.1103, 0.3604,

 2.5032, 0.4500,

0.3902

0.5500

398.6622, 0.3579,
0.3869

■ 0.8782, 0.4293,
0.5707

■ 0.0000, 0.0000,
0.0000

■ 71.9261, 0.3895,
0.4300

■ 71.9261, 0.3895,
0.4300

■ 69.5965, 0.4052,
0.4483

■ 74.4450, 0.3729,
0.4095

■ 67.4355, 0.4192,
0.4634


■ 77.1530, 0.3560,
0.3877


■ 65.4342, 0.4309,
0.4744

■ 80.0623, 0.3393,
0.3656


■ 63.5785, 0.4398,
0.4808


■ 83.1810, 0.3234,
0.3439


 61.8500, 0.4460,
0.4828


 86.5170, 0.3084,
0.3230

 61.3568, 0.4475,
0.4829

 89.1549, 0.3025,
0.3165

 91.2045, 0.3024,
0.3199

 93.2920, 0.3024,
0.3233

 95.4176, 0.3024,
0.3266

Harmonies

Analogous

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



71.9261, 0.4250, 0.3968



71.9261, 0.3895, 0.4300



71.9261, 0.3352, 0.4359

Triad

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



71.9261, 0.3895, 0.4300



71.9261, 0.2088, 0.2881



71.9261, 0.3414, 0.2682

Complementary

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



71.9261, 0.3895, 0.4300



29.9658, 0.2269, 0.2017

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.



71.9261, 0.2815, 0.2430



71.9261, 0.3895, 0.4300



71.9261, 0.2101, 0.2503

Square

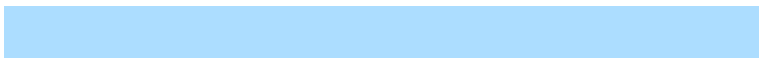
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.9261, 0.3895, 0.4300



71.9261, 0.2322, 0.3452



71.9261, 0.2351, 0.2359



71.9261, 0.3975, 0.3068

Rectangle

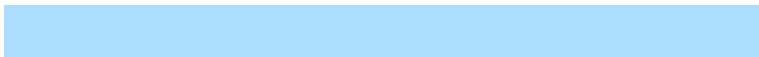
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.9261, 0.3895, 0.4300



71.9261, 0.2962, 0.4185



71.9261, 0.2351, 0.2359



71.9261, 0.3208, 0.2580

Sweetspot

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



71.9294, 0.3895, 0.4300



94.6964, 0.3345, 0.3590



35.0831, 0.4221, 0.3107



20.1034, 0.3380, 0.3638



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.



71.9294, 0.3895, 0.4300



81.6114, 0.4039, 0.4469



74.7817, 0.3533, 0.4567



18.0512, 0.3272, 0.3491



34.3726, 0.4470, 0.4833



2.9639, 0.4428, 0.4866

Inverse Universe

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



29.9658, 0.2269, 0.2017



27.3488, 0.2087, 0.1725



29.1221, 0.2529, 0.1915



15.5933, 0.2980, 0.3081



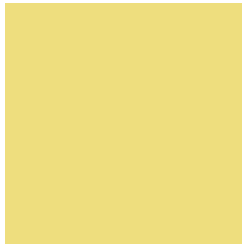
4.1940, 0.1532, 0.0715



0.4606, 0.1586, 0.0910

Previews

White Background



This preview shows how the Yxy color 71.9261, 0.3895, 0.4300 looks on a white background.

Color Contrast Check

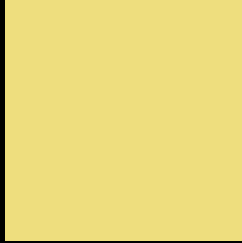
Large Text (above 18pt) WCAG AA × Fail

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 71.9261, 0.3895, 0.4300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

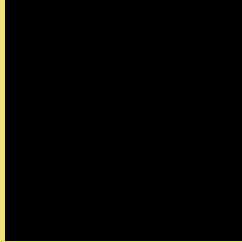
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9261, 0.3895, 0.4300

Background



This preview shows how black text looks on a background with the Yxy color 71.9261, 0.3895, 0.4300.



This preview shows how white text looks on a background with the Yxy color 71.9261, 0.3895, 0.4300.

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

71.9261, 0.3895, 0.4300

Protanopia

72.0965, 0.3931, 0.4279

Deuteranopia

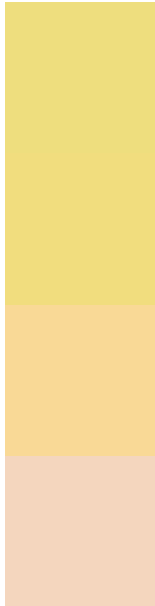
71.9975, 0.3811, 0.3816



Tritanopia

71.5957, 0.3292, 0.3117

Trichromacy



Original Color

71.9261, 0.3895, 0.4300

Protanomaly

71.9200, 0.3923, 0.4282

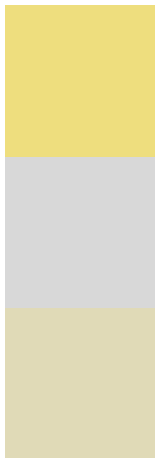
Deuteranomaly

71.9675, 0.3845, 0.3988

Tritanomaly

71.0439, 0.3525, 0.3545

Monochromacy



Original Color

71.9261, 0.3895, 0.4300

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.4090, 0.3413, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9261, 0.3895, 0.4300 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(238, 222, 126)` looks like.

```
.text, #text, p{  
    color:rgb(238, 222, 126)  
}
```

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(238, 222, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 222, 126) }
```

Border

The CSS property to change the border of an element to Yxy 71.9261, 0.3895, 0.4300 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(238, 222, 126) }
```

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

```
.border{ border-color:rgb(238, 222, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 222, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 222, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 222, 126);  
box-shadow:4px 4px 4px 4px rgb(238, 222,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9261, 0.3895, 0.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 222, 126) }
```

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

```
.background{ background-color: rgb(238,  
222, 126) }
```

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