

Converting Colors

$Y_{xy}(71.0876, 0.3599, 0.3799)$

Have a look what the booklet for
Yxy(71.0876, 0.3599, 0.3799)
contains.

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Color

Yxy(71.0876, 0.3599, 0.3799)

Conversions

Conversions Part 1

Format	Color
Hex	EDDAAB
RGB	237, 218, 171
RGB Percent	93%, 85%, 67%
CMY	0.0706, 0.1451, 0.3295
CMYK	0.00, 0.08, 0.28, 0.07
HSL	43°, 65%, 80%
HSV	43°, 28%, 93%
XYZ	67.3452, 71.0876, 48.6891
YIQ	218.3230, 26.4110, -10.5890

Conversions

Conversions Part 2

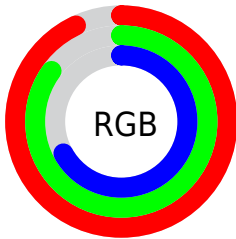
Format	Color
RYB	198, 237, 171
Decimal	15588011
CIELab	87.53, -0.49, 25.56
CIELCh	88, 25.561, 91.094
Yxy	71.0876, 0.3599, 0.3799
Android (android.graphics.Color)	4293778091 (0xFFEDDAAB)
YUV	218.3230, -23.3302, 16.3797
Hunter-Lab	84.3135, -4.9721, 24.7808

Details

The Yxy color **71.0876, 0.3599, 0.3799** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.5846, 0.2664, 0.2722**, and the grayscale version is **70.4968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **37.2057, 0.3710, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **66.8030, 0.3792, 0.3985**, and if you desaturate by 10%, it is **75.6862, 0.3417, 0.3611**.

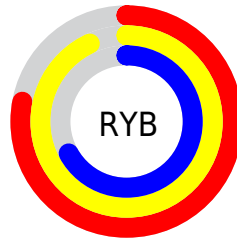
Distribution



Red (93%)

Green (85%)

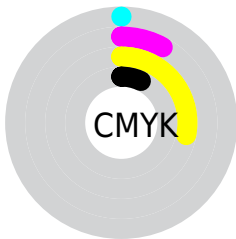
Blue (67%)



Red (78%)

Yellow (93%)

Blue (67%)

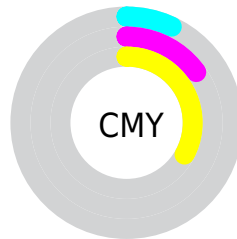


Cyan (0%)

Magenta (8%)

Yellow (28%)

Black (7%)



Cyan (7%)


Magenta (15%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.0876, 0.3599, 0.3799 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 71.0876, 0.3599, 0.3799 by changing the saturation by 10% instead.


 71.0876, 0.3599,
0.3799

 71.0876, 0.3599,
0.3799


464.3596, 0.3381,
0.3564

 52.4137, 0.3648,
0.3852

 120.7584, 0.3524,
0.3718

 37.3349, 0.3708,
0.3918


152.5242, 0.3494,
0.3686

 25.4669, 0.3784,
0.4000


189.4226, 0.3469,
0.3659

 16.4253, 0.3881,
0.4105

231.8382, 0.3447,
0.3635

 9.8256, 0.4009,
0.4244

280.1553, 0.3428,
0.3614

 5.2835, 0.4181,
0.4434

334.7583, 0.3410,

 2.4145, 0.4532,

0.3595

0.4817

396.0316, 0.3395,
0.3579

0.8333, 0.4835,
0.5165

0.0000, 0.0000,
0.0000

71.0876, 0.3599,
0.3799

71.0876, 0.3599,
0.3799

66.8030, 0.3792,
0.3985

75.6862, 0.3417,
0.3611

62.8122, 0.3990,
0.4162

80.5987, 0.3249,
0.3428

59.1073, 0.4188,
0.4320

85.8376, 0.3096,
0.3253

55.6760, 0.4377,
0.4446

90.6976, 0.3018,
0.3194

■ 52.5045, 0.4547,
0.4532

■ 94.9052, 0.3018,
0.3261

■ 49.5769, 0.4690,
0.4569

■ 96.7443, 0.3017,
0.3290

■ 46.8720, 0.4802,
0.4558

■ 46.3147, 0.4824,
0.4552

Harmonies

Analogous

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



71.0876, 0.3738, 0.3623



71.0876, 0.3599, 0.3799



71.0876, 0.3336, 0.3840

Triad

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



71.0876, 0.3599, 0.3799



71.0876, 0.2582, 0.3158



71.0876, 0.3208, 0.2914

Complementary

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



71.0876, 0.3599, 0.3799



51.5846, 0.2664, 0.2722

Split Complementary

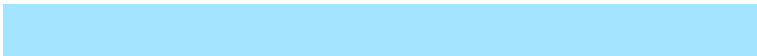
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.0876, 0.2899, 0.2795



71.0876, 0.3599, 0.3799



71.0876, 0.2551, 0.2919

Square

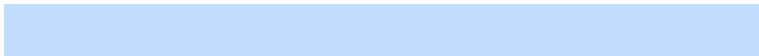
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.0876, 0.3599, 0.3799



71.0876, 0.2752, 0.3455



71.0876, 0.2663, 0.2793



71.0876, 0.3507, 0.3122

Rectangle

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



71.0876, 0.3599, 0.3799



71.0876, 0.3129, 0.3774



71.0876, 0.2663, 0.2793



71.0876, 0.3101, 0.2863

Sweetspot

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



71.0908, 0.3599, 0.3799



95.0679, 0.3252, 0.3431



50.8749, 0.3554, 0.3072



20.1559, 0.3276, 0.3459



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.



71.0908, 0.3599, 0.3799



81.2308, 0.3699, 0.3898



79.3219, 0.3452, 0.4009



16.8523, 0.3275, 0.3457



25.5222, 0.4811, 0.4562



2.1674, 0.4705, 0.4646

Inverse Universe

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



51.5846, 0.2664, 0.2722



54.9167, 0.2568, 0.2595



45.4459, 0.2738, 0.2506



15.2547, 0.2980, 0.3117



5.8015, 0.1603, 0.0971



0.6153, 0.1678, 0.1241

Previews

White Background



This preview shows how the Yxy color 71.0876, 0.3599, 0.3799 looks on a white background.

Color Contrast Check

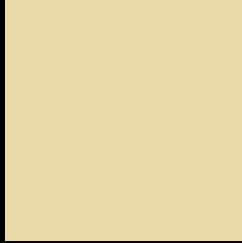
Large Text (above 18pt) WCAG AA × Fail

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 71.0876, 0.3599, 0.3799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

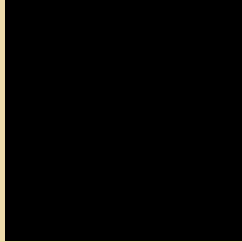
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.0876, 0.3599, 0.3799

Background



This preview shows how black text looks on a background with the Yxy color 71.0876, 0.3599, 0.3799.



This preview shows how white text looks on a background with the Yxy color 71.0876, 0.3599, 0.3799.

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

71.0876, 0.3599, 0.3799

Protanopia

71.0957, 0.3573, 0.3813

Deuteranopia

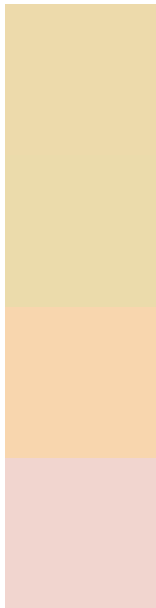
70.9437, 0.3732, 0.3663



Tritanopia

70.8723, 0.3262, 0.3115

Trichromacy



Original Color

71.0876, 0.3599, 0.3799

Protanomaly

71.2655, 0.3581, 0.3812

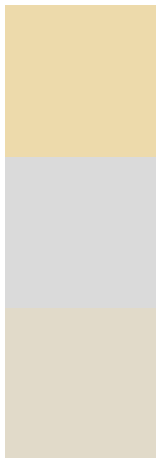
Deuteranomaly

71.1056, 0.3675, 0.3712

Tritanomaly

70.7943, 0.3380, 0.3354

Monochromacy



Original Color

71.0876, 0.3599, 0.3799

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.3674, 0.3294, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0876, 0.3599, 0.3799 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(237, 218, 171)` looks like.

```
.text, #text, p{  
    color:rgb(237, 218, 171)  
}
```

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(237, 218, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 218, 171) }
```

Border

The CSS property to change the border of an element to Yxy 71.0876, 0.3599, 0.3799 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(237, 218, 171) }
```

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

```
.border{ border-color:rgb(237, 218, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 218, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 218, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 218, 171);  
box-shadow:4px 4px 4px 4px rgb(237, 218,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0876, 0.3599, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 218, 171) }
```

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

```
.background{ background-color: rgb(237,  
218, 171) }
```

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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