

Converting Colors

$Y_{xy}(70.2015, 0.3702, 0.3978)$

Have a look what the booklet for
Yxy(70.2015, 0.3702, 0.3978)
contains.

Yxy(70.1715, 0.3696, 0.3975)	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(70.1715, 0.3696, 0.3975)

Conversions

Conversions Part 1

Format	Color
Hex	EBDA9B
RGB	235, 218, 155
RGB Percent	92%, 85%, 61%
CMY	0.0785, 0.1451, 0.3922
CMYK	0.00, 0.07, 0.34, 0.08
HSL	47°, 67%, 76%
HSV	47°, 34%, 92%
XYZ	65.2463, 70.1715, 41.1143
YIQ	215.9010, 30.3550, -15.9890

Conversions

Conversions Part 2

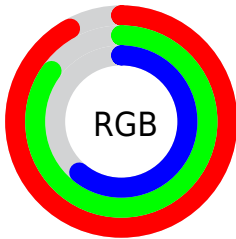
Format	Color
RYB	177, 235, 155
Decimal	15456923
CIELab	87.08, -3.24, 33.17
CIELCh	87, 33.326, 95.584
Yxy	70.1715, 0.3696, 0.3975
Android (android.graphics.Color)	4293647003 (0xFFEBDA9B)
YUV	215.9010, -30.0242, 16.7498
Hunter-Lab	83.7684, -7.5632, 29.5378

Details

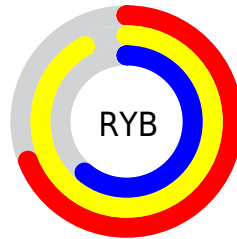
The Yxy color **70.1715, 0.3696, 0.3975** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.4636, 0.2541, 0.2494**, and the grayscale version is **68.7922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **36.6386, 0.3824, 0.4132** is the 20% darker color. If you saturate the color by 10%, you get **66.9117, 0.3877, 0.4172**, and if you desaturate by 10%, it is **73.6692, 0.3518, 0.3771**.

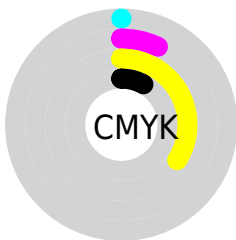
Distribution



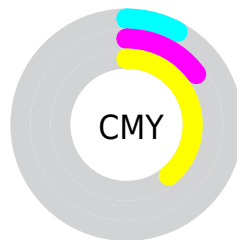
- Red (92%)
- Green (85%)
- Blue (61%)



- Red (69%)
- Yellow (92%)
- Blue (61%)



- Cyan (0%)
- Magenta (7%)
- Yellow (34%)
- Black (8%)





- Cyan (8%)
- Magenta (15%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1715, 0.3696, 0.3975 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 70.1715, 0.3696, 0.3975 by changing the saturation by 10% instead.

 70.1715, 0.3696,
0.3975


 70.1715, 0.3696,
0.3975

461.1519, 0.3436,
0.3657

 51.6664, 0.3754,
0.4047


 119.4533, 0.3607,
0.3865

 36.7392, 0.3823,
0.4134


 150.9987, 0.3572,
0.3823

 25.0056, 0.3909,
0.4243


187.6597, 0.3542,
0.3786

 16.0813, 0.4017,
0.4381

229.8207, 0.3515,
0.3753

 9.5817, 0.4153,
0.4560

277.8660, 0.3492,
0.3725

 5.1225, 0.4322,
0.4794

332.1800, 0.3471,

 2.3193, 0.4701,

0.3700

0.5299

393.1472, 0.3452,
0.3678

0.7839, 0.4593,
0.5407

0.0000, 0.0000,
0.0000

70.1715, 0.3696,
0.3975

70.1715, 0.3696,
0.3975

66.9117, 0.3877,
0.4172

73.6692, 0.3518,
0.3771

63.8706, 0.4056,
0.4352

77.4041, 0.3348,
0.3566

61.0409, 0.4223,
0.4504

81.3878, 0.3188,
0.3368

58.4106, 0.4372,
0.4618

85.6279, 0.3041,
0.3179

■ 55.9664, 0.4496,
0.4687

■ 88.9534, 0.3006,
0.3170

■ 53.6917, 0.4589,
0.4708

■ 91.9793, 0.3005,
0.3220

■ 52.4022, 0.4634,
0.4703

■ 95.0870, 0.3005,
0.3269

■ 96.4006, 0.3005,
0.3290

Harmonies

Analogous

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



70.1715, 0.3912, 0.3756



70.1715, 0.3696, 0.3975



70.1715, 0.3333, 0.4009

Triad

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



70.1715, 0.3696, 0.3975



70.1715, 0.2405, 0.3056



70.1715, 0.3291, 0.2840

Complementary

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



70.1715, 0.3696, 0.3975



42.4636, 0.2541, 0.2494

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.



70.1715, 0.2883, 0.2669



70.1715, 0.3696, 0.3975



70.1715, 0.2394, 0.2769

Square

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



70.1715, 0.3696, 0.3975



70.1715, 0.2595, 0.3445



70.1715, 0.2563, 0.2638



70.1715, 0.3675, 0.3115

Rectangle

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



70.1715, 0.3696, 0.3975



70.1715, 0.3062, 0.3902



70.1715, 0.2563, 0.2638



70.1715, 0.3152, 0.2769

Sweetspot

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



70.1747, 0.3696, 0.3975



95.0597, 0.3282, 0.3486



44.0941, 0.3753, 0.3096



20.2034, 0.3305, 0.3514



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.



70.1747, 0.3696, 0.3975



81.6439, 0.3826, 0.4117



75.8236, 0.3473, 0.4189



17.0525, 0.3273, 0.3474



29.3592, 0.4625, 0.4710



2.4407, 0.4554, 0.4766

Inverse Universe

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



42.4636, 0.2541, 0.2494



43.4980, 0.2403, 0.2293



38.8650, 0.2685, 0.2319



15.0671, 0.2980, 0.3099



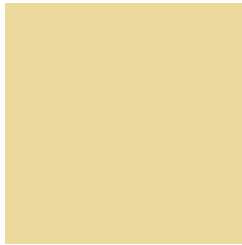
4.7525, 0.1561, 0.0820



0.5100, 0.1630, 0.1067

Previews

White Background



This preview shows how the Yxy color 70.1715, 0.3696, 0.3975 looks on a white background.

Color Contrast Check

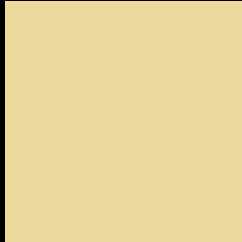
Large Text (above 18pt) WCAG AA × Fail

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 70.1715, 0.3696, 0.3975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

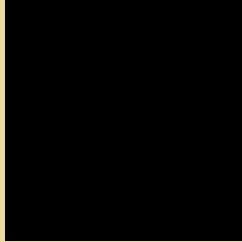
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

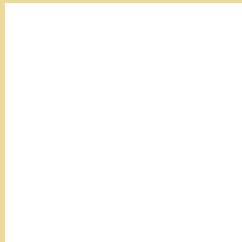
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.1715, 0.3696, 0.3975

Background



This preview shows how black text looks on a background with the Yxy color 70.1715, 0.3696, 0.3975.



This preview shows how white text looks on a background with the Yxy color 70.1715, 0.3696, 0.3975.

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

70.1715, 0.3696, 0.3975

Protanopia

70.1715, 0.3696, 0.3975

Deuteranopia

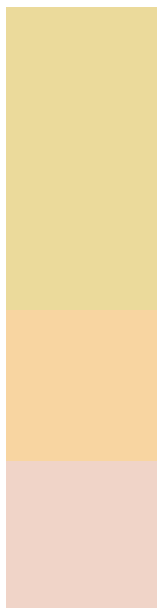
70.0698, 0.3811, 0.3757



Tritanopia

70.0919, 0.3270, 0.3124

Trichromacy



Original Color

70.1715, 0.3696, 0.3975

Protanomaly

70.1715, 0.3696, 0.3975

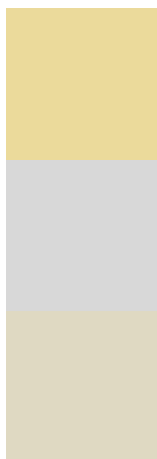
Deuteranomaly

70.1182, 0.3774, 0.3838

Tritanomaly

69.7824, 0.3425, 0.3419

Monochromacy



Original Color

70.1715, 0.3696, 0.3975

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.2087, 0.3330, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1715, 0.3696, 0.3975 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(235, 218, 155)` looks like.

```
.text, #text, p{  
    color:rgb(235, 218, 155)  
}
```

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(235, 218, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 218, 155) }
```

Border

The CSS property to change the border of an element to Yxy 70.1715, 0.3696, 0.3975 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(235, 218, 155) }
```

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

```
.border{ border-color:rgb(235, 218, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 218, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 218, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 218, 155);  
box-shadow:4px 4px 4px 4px rgb(235, 218,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1715, 0.3696, 0.3975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 218, 155) }
```

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

```
.background{ background-color: rgb(235,  
218, 155) }
```

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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