

Converting Colors

$Yxy(68.3276, 0.3699, 0.4006)$

Have a look what the booklet for
Yxy(68.3276, 0.3699, 0.4006)
contains.

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Color

Yxy(68.3350, 0.3699, 0.4006)

Conversions

Conversions Part 1

Format	Color
Hex	E7D897
RGB	231, 216, 151
RGB Percent	91%, 85%, 59%
CMY	0.0941, 0.1529, 0.4078
CMYK	0.00, 0.06, 0.35, 0.09
HSL	49°, 62%, 75%
HSV	49°, 35%, 91%
XYZ	63.0981, 68.3350, 39.1485
YIQ	213.0750, 29.8050, -17.0350

Conversions

Conversions Part 2

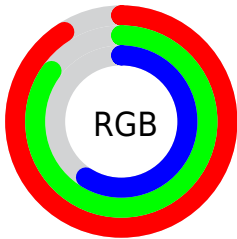
Format	Color
RYB	169, 231, 151
Decimal	15194263
CIELab	86.17, -4.23, 33.95
CIELCh	86, 34.208, 97.098
Yxy	68.3350, 0.3699, 0.4006
Android (android.graphics.Color)	4293384343 (0xFFE7D897)
YUV	213.0750, -30.6030, 15.7202
Hunter-Lab	82.6650, -8.4148, 29.7869

Details

The Yxy color **68.3350, 0.3699, 0.4006** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.6280, 0.2527, 0.2453**, and the grayscale version is **66.7887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2362, 0.3418, 0.3770**, and **35.3893, 0.3828, 0.4175** is the 20% darker color. If you saturate the color by 10%, you get **65.4692, 0.3875, 0.4207**, and if you desaturate by 10%, it is **71.4126, 0.3524, 0.3797**.

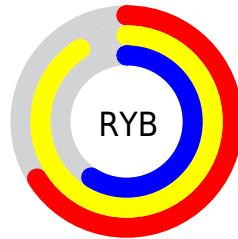
Distribution



Red (91%)

Green (85%)

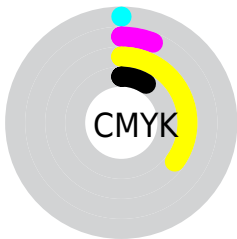
Blue (59%)



Red (66%)

Yellow (91%)

Blue (59%)

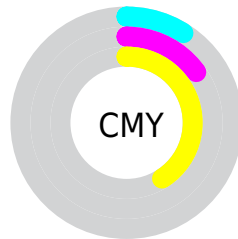


Cyan (0%)

Magenta (6%)

Yellow (35%)

Black (9%)



Cyan (9%)


Magenta (15%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3350, 0.3699, 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 68.3350, 0.3699, 0.4006 by changing the saturation by 10% instead.


 68.3350, 0.3699,
0.4006


 68.3350, 0.3699,
0.4006


454.6820, 0.3437,
0.3672

 50.1703, 0.3757,
0.4082


 116.8313, 0.3609,
0.3890

 35.5487, 0.3827,
0.4174

 147.9316, 0.3574,
0.3845

 24.0859, 0.3914,
0.4290


184.1127, 0.3544,
0.3806

 15.3973, 0.4021,
0.4437

225.7588, 0.3517,
0.3773

 9.0987, 0.4155,
0.4628

273.2544, 0.3493,
0.3743

 4.8056, 0.4324,
0.4882

326.9839, 0.3472,

 2.1337, 0.4641,

0.3716

0.5359

387.3316, 0.3454,
0.3693

0.6835, 0.4443,
0.5557

0.0000, 0.0000,
0.0000

68.3350, 0.3699,
0.4006

68.3350, 0.3699,
0.4006

65.4692, 0.3875,
0.4207

71.4126, 0.3524,
0.3797

62.7968, 0.4046,
0.4389

74.7010, 0.3356,
0.3587

60.3108, 0.4205,
0.4543

78.2112, 0.3197,
0.3382

58.0003, 0.4344,
0.4658

81.9503, 0.3049,
0.3186

■ 55.8521, 0.4456,
0.4728

■ 85.1613, 0.2980,
0.3115

■ 53.8507, 0.4539,
0.4751

■ 87.7091, 0.2981,
0.3159

■ 52.8227, 0.4574,
0.4750

■ 90.3181, 0.2981,
0.3203

■ 92.9885, 0.2981,
0.3246

■ 95.7208, 0.2982,
0.3289

Harmonies

Analogous

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



68.3350, 0.3934, 0.3785



68.3350, 0.3699, 0.4006



68.3350, 0.3318, 0.4032

Triad

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



68.3350, 0.3699, 0.4006



68.3350, 0.2376, 0.3028



68.3350, 0.3318, 0.2837

Complementary

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



68.3350, 0.3699, 0.4006



39.6280, 0.2527, 0.2453

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.



68.3350, 0.2894, 0.2654



68.3350, 0.3699, 0.4006



68.3350, 0.2374, 0.2739

Square

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



68.3350, 0.3699, 0.4006



68.3350, 0.2562, 0.3429



68.3350, 0.2557, 0.2614



68.3350, 0.3711, 0.3125

Rectangle

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



68.3350, 0.3699, 0.4006



68.3350, 0.3038, 0.3913



68.3350, 0.2557, 0.2614



68.3350, 0.3174, 0.2763

Sweetspot

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



68.3381, 0.3699, 0.4006



95.4523, 0.3282, 0.3492



41.9182, 0.3781, 0.3108



20.2988, 0.3304, 0.3521



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.



68.3381, 0.3699, 0.4006



82.7649, 0.3833, 0.4160



72.6541, 0.3468, 0.4207



16.3336, 0.3272, 0.3480



29.7844, 0.4567, 0.4756



2.3201, 0.4503, 0.4807

Inverse Universe

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



39.6280, 0.2527, 0.2453



41.5051, 0.2378, 0.2231



37.0234, 0.2687, 0.2304



14.3222, 0.2980, 0.3093



4.3484, 0.1550, 0.0780



0.4466, 0.1620, 0.1032

Previews

White Background



This preview shows how the Yxy color 68.3350, 0.3699, 0.4006 looks on a white background.

Color Contrast Check

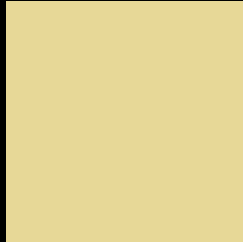
Large Text (above 18pt) WCAG AA × Fail

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 68.3350, 0.3699, 0.4006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

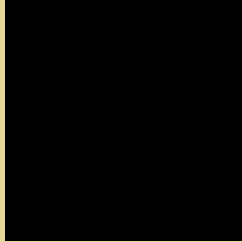
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3350, 0.3699, 0.4006

Background



This preview shows how black text looks on a background with the Yxy color 68.3350, 0.3699, 0.4006.



This preview shows how white text looks on a background with the Yxy color 68.3350, 0.3699, 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

68.3350, 0.3699, 0.4006

Protanopia

68.1589, 0.3719, 0.3992

Deuteranopia

68.2859, 0.3890, 0.3819



Tritanopia

68.3041, 0.3256, 0.3122

Trichromacy



Original Color

68.3350, 0.3699, 0.4006

Protanomaly

67.9910, 0.3711, 0.3994

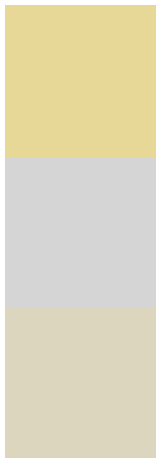
Deuteranomaly

68.0191, 0.3820, 0.3885

Tritanomaly

67.9573, 0.3419, 0.3431

Monochromacy



Original Color

68.3350, 0.3699, 0.4006

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.0265, 0.3339, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3350, 0.3699, 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(231, 216, 151)` looks like.

```
.text, #text, p{  
    color:rgb(231, 216, 151)  
}
```

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(231, 216, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 216, 151) }
```

Border

The CSS property to change the border of an element to Yxy 68.3350, 0.3699, 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(231, 216, 151) }
```

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

```
.border{ border-color:rgb(231, 216, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 216, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 216, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 216, 151); box-shadow:4px 4px 4px 4px rgb(231, 216, 151) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3350, 0.3699, 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(231, 216, 151) }
```

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

```
.background{ background-color: rgb(231,  
216, 151) }
```

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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