

Converting Colors

$Y_{xy}(70.7366, 0.3811, 0.4200)$

Have a look what the booklet for
Yxy(70.7366, 0.3811, 0.4200)
contains.

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Color

Yxy(70.4564, 0.3809, 0.4195)

Conversions

Conversions Part 1

Format	Color
Hex	EADC88
RGB	234, 220, 136
RGB Percent	92%, 86%, 53%
CMY	0.0823, 0.1373, 0.4666
CMYK	0.00, 0.06, 0.42, 0.08
HSL	51°, 70%, 73%
HSV	51°, 42%, 92%
XYZ	63.9734, 70.4564, 33.5235
YIQ	214.6100, 35.3080, -23.1560

Conversions

Conversions Part 2

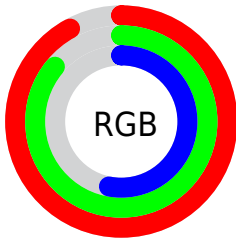
Format	Color
RYB	152, 234, 136
Decimal	15391880
CIELab	87.22, -6.73, 42.92
CIELCh	87, 43.441, 98.913
Yxy	70.4564, 0.3809, 0.4195
Android (android.graphics.Color)	4293581960 (0xFFEADC88)
YUV	214.6100, -38.7547, 17.0050
Hunter-Lab	83.9383, -10.8487, 35.0774

Details

The Yxy color **70.4564, 0.3809, 0.4195** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.9981, 0.2375, 0.2182**, and the grayscale version is **67.9303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **36.8975, 0.3958, 0.4401** is the 20% darker color. If you saturate the color by 10%, you get **68.1259, 0.3971, 0.4391**, and if you desaturate by 10%, it is **72.9738, 0.3641, 0.3982**.

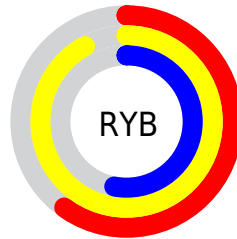
Distribution



Red (92%)

Green (86%)

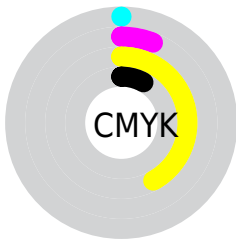
Blue (53%)



Red (60%)

Yellow (92%)

Blue (53%)

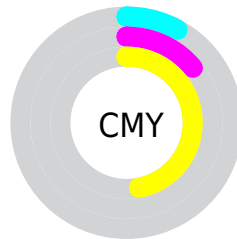


Cyan (0%)

Magenta (6%)

Yellow (42%)

Black (8%)



Cyan (8%)

Magenta (14%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4564, 0.3809, 0.4195 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 70.4564, 0.3809, 0.4195 by changing the saturation by 10% instead.


 70.4564, 0.3809,
0.4195

 70.4564, 0.3809,
0.4195

462.1509, 0.3504,
0.3777


 51.8987, 0.3874,
0.4288


 119.8594, 0.3706,
0.4052

 36.9243, 0.3951,
0.4400


 151.4735, 0.3666,
0.3995

 25.1489, 0.4042,
0.4537


 188.2084, 0.3630,
0.3947

 16.1880, 0.4151,
0.4707

230.4487, 0.3598,
0.3904

 9.6573, 0.4275,
0.4918

278.5787, 0.3571,
0.3867

 5.1723, 0.4467,
0.5248

332.9828, 0.3546,

 2.3487, 0.4513,

0.3833

0.5487

394.0454, 0.3524,
0.3804

0.7993, 0.4269,
0.5731

0.0000, 0.0000,
0.0000

70.4564, 0.3809,
0.4195

70.4564, 0.3809,
0.4195

68.1259, 0.3971,
0.4391

72.9738, 0.3641,
0.3982

65.9629, 0.4121,
0.4560


75.6773, 0.3473,
0.3762


63.9596, 0.4251,
0.4692


78.5783, 0.3310,
0.3542

62.1036, 0.4355,
0.4780

81.6845, 0.3155,
0.3329


 60.3799, 0.4431,
0.4823


 85.0030, 0.3011,
0.3126

 59.0583, 0.4474,
0.4829

 87.0832, 0.2999,
0.3141

 89.0729, 0.2999,
0.3174

 91.0992, 0.2999,
0.3208

 93.1621, 0.2999,
0.3241

Harmonies

Analogous

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



70.4564, 0.4125, 0.3913



70.4564, 0.3809, 0.4195



70.4564, 0.3324, 0.4229

Triad

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



70.4564, 0.3809, 0.4195



70.4564, 0.2192, 0.2924



70.4564, 0.3395, 0.2750

Complementary

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



70.4564, 0.3809, 0.4195



32.9981, 0.2375, 0.2182

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.



70.4564, 0.2862, 0.2518



70.4564, 0.3809, 0.4195



70.4564, 0.2207, 0.2585

Square

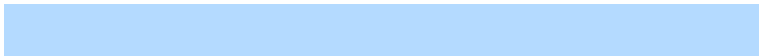
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4564, 0.3809, 0.4195



70.4564, 0.2403, 0.3427



70.4564, 0.2439, 0.2453



70.4564, 0.3888, 0.3103

Rectangle

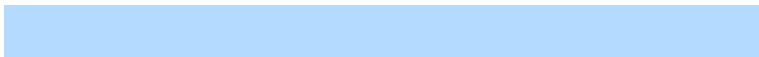
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4564, 0.3809, 0.4195



70.4564, 0.2975, 0.4068



70.4564, 0.2439, 0.2453



70.4564, 0.3213, 0.2657

Sweetspot

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



70.4596, 0.3809, 0.4195



95.0582, 0.3328, 0.3568



37.3317, 0.4044, 0.3125



20.1759, 0.3364, 0.3617



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.



70.4596, 0.3809, 0.4195



83.2380, 0.3945, 0.4360



72.8731, 0.3496, 0.4422



17.2383, 0.3271, 0.3490



33.3247, 0.4469, 0.4833



2.7174, 0.4425, 0.4868

Inverse Universe

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



32.9981, 0.2375, 0.2182



32.2466, 0.2206, 0.1917



32.1339, 0.2611, 0.2082



14.8964, 0.2980, 0.3082



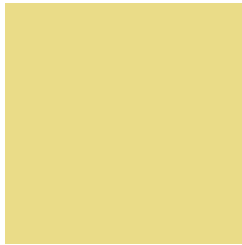
4.0723, 0.1532, 0.0716



0.4284, 0.1590, 0.0922

Previews

White Background



This preview shows how the Yxy color 70.4564, 0.3809, 0.4195 looks on a white background.

Color Contrast Check

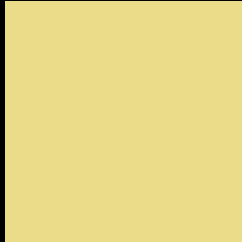
Large Text (above 18pt) WCAG AA × Fail

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 70.4564, 0.3809, 0.4195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

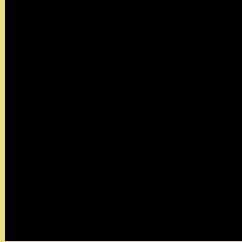
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4564, 0.3809, 0.4195

Background



This preview shows how black text looks on a background with the Yxy color 70.4564, 0.3809, 0.4195.



This preview shows how white text looks on a background with the Yxy color 70.4564, 0.3809, 0.4195.

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

70.4564, 0.3809, 0.4195

Protanopia

70.5894, 0.3851, 0.4185

Deuteranopia

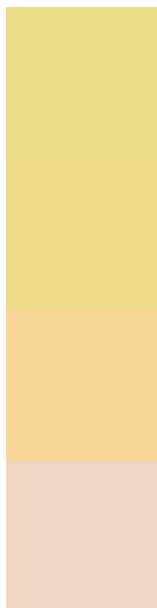
70.3517, 0.3852, 0.3828



Tritanopia

70.3250, 0.3270, 0.3115

Trichromacy



Original Color

70.4564, 0.3809, 0.4195

Protanomaly

70.4168, 0.3843, 0.4188

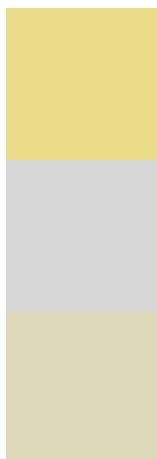
Deuteranomaly

70.1017, 0.3834, 0.3953

Tritanomaly

69.9640, 0.3474, 0.3505

Monochromacy



Original Color

70.4564, 0.3809, 0.4195

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.7005, 0.3378, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4564, 0.3809, 0.4195 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(234, 220, 136)` looks like.

```
.text, #text, p{  
    color:rgb(234, 220, 136)  
}
```

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(234, 220, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 220, 136) }
```

Border

The CSS property to change the border of an element to Yxy 70.4564, 0.3809, 0.4195 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(234, 220, 136) }
```

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

```
.border{ border-color:rgb(234, 220, 136) }
```

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

Here you see how a box with a 4 pixel rgb(234, 220, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 220, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 220, 136);  
box-shadow:4px 4px 4px 4px rgb(234, 220,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4564, 0.3809, 0.4195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 220, 136) }
```

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

```
.background{ background-color: rgb(234,  
220, 136) }
```

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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