

# Converting Colors

$Y_{xy}(72.2920, 0.3829, 0.4179)$

Have a look what the booklet for  
Yxy(72.2920, 0.3829, 0.4179)  
contains.

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# Color

**Yxy(72.4283, 0.3827, 0.4180)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFDE8A
RGB	239, 222, 138
RGB Percent	94%, 87%, 54%
CMY	0.0627, 0.1294, 0.4588
CMYK	0.00, 0.07, 0.42, 0.06
HSL	50°, 76%, 74%
HSV	50°, 42%, 94%
XYZ	66.3117, 72.4283, 34.5334
YIQ	217.5070, 37.0960, -22.5200

# Conversions

## Conversions Part 2

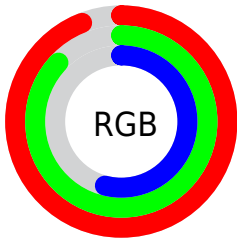
Format	Color
R <sub>Y</sub> B	158, 239, 138
Decimal	15720074
CIE Lab	88.17, -5.57, 43.22
CIE LCh	88, 43.576, 97.341
Yxy	72.4283, 0.3827, 0.4180
Android (android.graphics.Color)	4293910154 (0xFFEFDE8A)
YUV	217.5070, -39.1970, 18.8494
Hunter-Lab	85.1048, -9.8503, 35.5150

# Details

The Yxy color **72.4283, 0.3827, 0.4180** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **35.0927, 0.2372, 0.2202**, and the grayscale version is **70.0139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **38.1331, 0.3970, 0.4382** is the 20% darker color. If you saturate the color by 10%, you get **69.6991, 0.3995, 0.4371**, and if you desaturate by 10%, it is **75.3676, 0.3654, 0.3972**.

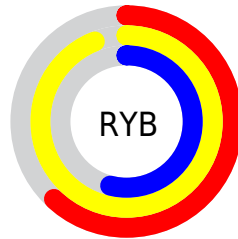
# Distribution



Red (94%)

Green (87%)

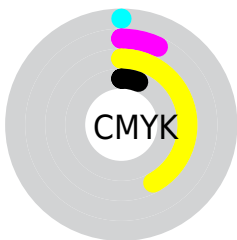
Blue (54%)



Red (62%)

Yellow (94%)

Blue (54%)

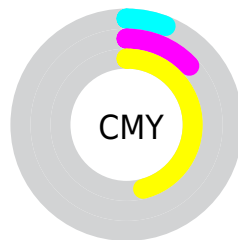


Cyan (0%)

Magenta (7%)

Yellow (42%)

Black (6%)



Cyan (6%)

Magenta (13%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4283, 0.3827, 0.4180 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 72.4283, 0.3827, 0.4180 by changing the saturation by 10% instead.




 72.4283, 0.3827,  
0.4180


 72.4283, 0.3827,  
0.4180


469.0310, 0.3514,  
0.3772


 53.5086, 0.3893,  
0.4270


 122.6653, 0.3722,  
0.4041

 38.2090, 0.3972,  
0.4378


 154.7513, 0.3680,  
0.3986

 26.1449, 0.4066,  
0.4509


 191.9950, 0.3644,  
0.3938

 16.9321, 0.4177,  
0.4672

234.7807, 0.3612,  
0.3897

 10.1861, 0.4306,  
0.4871

283.4927, 0.3583,  
0.3860

 5.5225, 0.4488,  
0.5162

338.5155, 0.3558,

 2.5570, 0.4585,

0.3828

0.5415

400.2335, 0.3535,  
0.3798

■ 0.9051, 0.4445,  
0.5555

■ 0.0000, 0.0000,  
0.0000

■ 72.4283, 0.3827,  
0.4180

■ 72.4283, 0.3827,  
0.4180

■ 69.6991, 0.3995,  
0.4371

■ 75.3676, 0.3654,  
0.3972

■ 67.1597, 0.4152,  
0.4535


■ 78.5166, 0.3482,  
0.3758


■ 64.8016, 0.4290,  
0.4662

■ 81.8874, 0.3317,  
0.3544

■ 62.6114, 0.4402,  
0.4746

■ 85.4882, 0.3161,  
0.3336

 60.5731, 0.4484,  
0.4782

 89.1632, 0.3031,  
0.3163

 59.0806, 0.4532,  
0.4784

 91.5898, 0.3030,  
0.3203

 94.0695, 0.3030,  
0.3243

 96.6027, 0.3030,  
0.3282

 97.0948, 0.3030,  
0.3290

# Harmonies

## Analogous

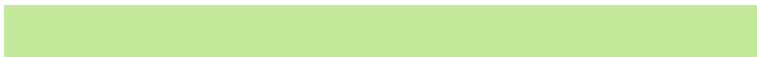
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4283, 0.4129, 0.3891



72.4283, 0.3827, 0.4180



72.4283, 0.3350, 0.4229

# Triad

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



72.4283, 0.3827, 0.4180



72.4283, 0.2203, 0.2949



72.4283, 0.3365, 0.2738

# Complementary

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



72.4283, 0.3827, 0.4180



35.0927, 0.2372, 0.2202

# 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.



72.4283, 0.2838, 0.2515



72.4283, 0.3827, 0.4180



72.4283, 0.2206, 0.2602

# Square

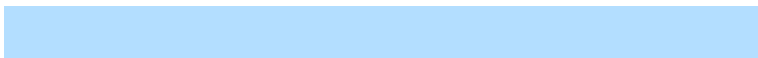
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4283, 0.3827, 0.4180



72.4283, 0.2424, 0.3454



72.4283, 0.2426, 0.2460



72.4283, 0.3861, 0.3084

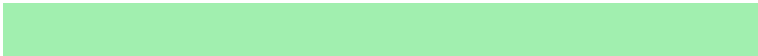


# Rectangle

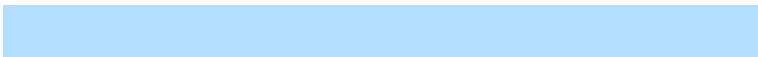
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.4283, 0.3827, 0.4180



72.4283, 0.3003, 0.4080



72.4283, 0.2426, 0.2460



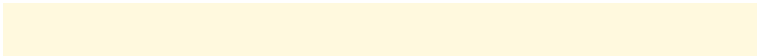
72.4283, 0.3184, 0.2647

# Sweetspot

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



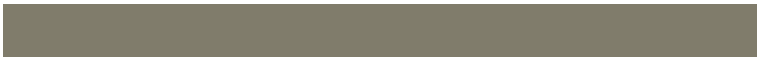
72.4316, 0.3827, 0.4180



94.5327, 0.3329, 0.3560



38.9535, 0.4020, 0.3086



20.0449, 0.3366, 0.3607



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.



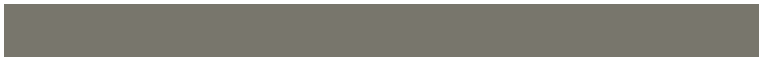
72.4316, 0.3827, 0.4180



81.0628, 0.3978, 0.4351



76.8525, 0.3523, 0.4424



17.9790, 0.3272, 0.3485



32.8107, 0.4525, 0.4789



2.8484, 0.4474, 0.4829



# Inverse Universe

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



35.0927, 0.2372, 0.2202



32.4031, 0.2194, 0.1926



32.9597, 0.2577, 0.2059



15.6592, 0.2980, 0.3087



4.4210, 0.1542, 0.0749

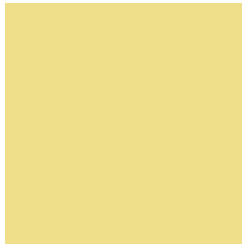


0.4918, 0.1600, 0.0961



# Previews

## White Background



This preview shows how the Yxy color 72.4283, 0.3827, 0.4180 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 72.4283, 0.3827, 0.4180 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

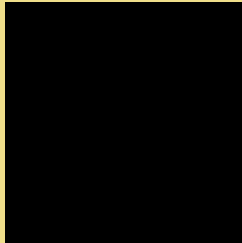
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.4283, 0.3827, 0.4180**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.4283, 0.3827, 0.4180.



This preview shows how white text looks on a background with the Yxy color 72.4283, 0.3827, 0.4180.

# 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

72.4283, 0.3827, 0.4180

### Protanopia

72.2487, 0.3847, 0.4166

### Deuteranopia

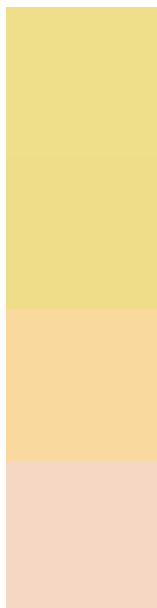
72.1803, 0.3774, 0.3765



## Tritanopia

72.3297, 0.3291, 0.3117

# Trichromacy



## Original Color

72.4283, 0.3827, 0.4180

## Protanomaly

72.0731, 0.3839, 0.4168

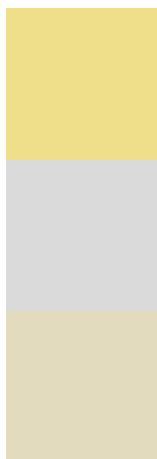
## Deuteranomaly

72.1998, 0.3796, 0.3917

## Tritanomaly

71.9535, 0.3494, 0.3501

# Monochromacy



## Original Color

72.4283, 0.3827, 0.4180

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.5059, 0.3384, 0.3622

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4283, 0.3827, 0.4180 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(239, 222, 138)` looks like.

```
.text, #text, p{  
    color:rgb(239, 222, 138)  
}
```

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(239, 222, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 222, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4283, 0.3827, 0.4180 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(239, 222, 138) }
```

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

```
.border{ border-color:rgb(239, 222, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 222, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 222, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 222, 138);  
box-shadow:4px 4px 4px 4px rgb(239, 222,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.4283, 0.3827, 0.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 222, 138) }
```

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

```
.background{ background-color: rgb(239,  
222, 138) }
```

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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