

# Converting Colors

$Y_{xy}(72.9593, 0.3882, 0.4375)$

Have a look what the booklet for  
Yxy(72.9593, 0.3882, 0.4375)  
contains.

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# Color

**Yxy(72.9177, 0.3881, 0.4374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBE17A
RGB	235, 225, 122
RGB Percent	92%, 88%, 48%
CMY	0.0785, 0.1176, 0.5214
CMYK	0.00, 0.04, 0.48, 0.08
HSL	55°, 74%, 70%
HSV	55°, 48%, 92%
XYZ	64.6990, 72.9177, 29.0904
YIQ	216.2480, 39.0230, -29.9130

# Conversions

## Conversions Part 2

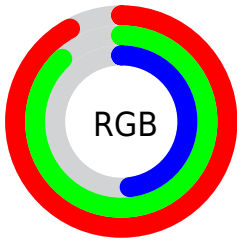
Format	Color
R <sub>Y</sub> B	133, 235, 122
Decimal	15458682
CIE Lab	88.41, -10.20, 51.20
CIE LCh	88, 52.208, 101.268
Yxy	72.9177, 0.3881, 0.4374
Android (android.graphics.Color)	4293648762 (0xFFEBE17A)
YUV	216.2480, -46.4643, 16.4455
Hunter-Lab	85.3919, -14.1913, 39.5760

# Details

The Yxy color **72.9177, 0.3881, 0.4374** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.6489, 0.2234, 0.1903**, and the grayscale version is **69.1541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9146, 0.3597, 0.4066**, and **38.5388, 0.4020, 0.4609** is the 20% darker color. If you saturate the color by 10%, you get **71.2906, 0.4022, 0.4562**, and if you desaturate by 10%, it is **74.7061, 0.3727, 0.4162**.

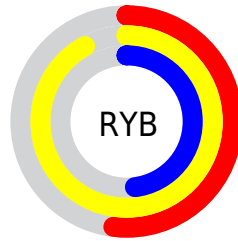
# Distribution



Red (92%)

Green (88%)

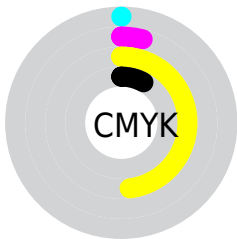
Blue (48%)



Red (52%)

Yellow (92%)

Blue (48%)

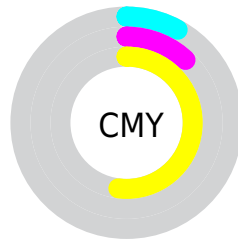


Cyan (0%)

Magenta (4%)

Yellow (48%)

Black (8%)



Cyan (8%)

Magenta (12%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9177, 0.3881, 0.4374 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 72.9177, 0.3881, 0.4374 by changing the saturation by 10% instead.





 72.9177, 0.3881,  
0.4374

 72.9177, 0.3881,  
0.4374


470.7295, 0.3553,  
0.3878


 53.9087, 0.3947,  
0.4481


 123.3604, 0.3774,  
0.4206

 38.5286, 0.4023,  
0.4610


 155.5628, 0.3730,  
0.4139

 26.3932, 0.4110,  
0.4764


 192.9318, 0.3691,  
0.4081

 17.1181, 0.4206,  
0.4951

235.8518, 0.3657,  
0.4030

 10.3187, 0.4301,  
0.5171

284.7072, 0.3627,  
0.3986

 5.6108, 0.4464,  
0.5536

339.8823, 0.3600,

 2.6099, 0.4342,

0.3946

0.5658

401.7616, 0.3575,  
0.3910

■ 0.9316, 0.4056,  
0.5944

■ 0.0000, 0.0000,  
0.0000

■ 72.9177, 0.3881,  
0.4374

■ 72.9177, 0.3881,  
0.4374

■ 71.2906, 0.4022,  
0.4562

■ 74.7061, 0.3727,  
0.4162

■ 69.8042, 0.4143,  
0.4715


■ 76.6549, 0.3567,  
0.3934


■ 68.4502, 0.4240,  
0.4826

■ 78.7762, 0.3405,  
0.3702

■ 67.2146, 0.4310,  
0.4893


■ 81.0777, 0.3248,  
0.3471


 66.0783, 0.4353,  
0.4918


 83.5670, 0.3099,  
0.3248

 65.8642, 0.4360,  
0.4920

 85.7221, 0.3006,  
0.3114

 86.9352, 0.3006,  
0.3135

 88.1623, 0.3006,  
0.3156

 89.4035, 0.3006,  
0.3177

# Harmonies

## Analogous

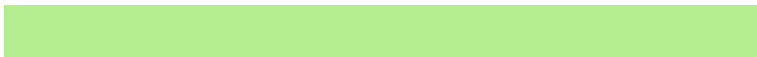
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9177, 0.4284, 0.4038



72.9177, 0.3881, 0.4374



72.9177, 0.3299, 0.4407

# Triad

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



72.9177, 0.3881, 0.4374



72.9177, 0.2028, 0.2806



72.9177, 0.3491, 0.2687

# Complementary

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



72.9177, 0.3881, 0.4374



26.6489, 0.2234, 0.1903

# 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.



72.9177, 0.2855, 0.2408



72.9177, 0.3881, 0.4374



72.9177, 0.2067, 0.2437

# Square

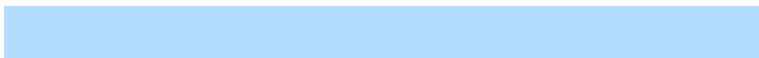
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9177, 0.3881, 0.4374



72.9177, 0.2245, 0.3394



72.9177, 0.2351, 0.2313



72.9177, 0.4069, 0.3099



# Rectangle

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



72.9177, 0.3881, 0.4374



72.9177, 0.2891, 0.4197



72.9177, 0.2351, 0.2313



72.9177, 0.3274, 0.2576

# Sweetspot

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



72.9211, 0.3881, 0.4374



95.9132, 0.3342, 0.3609



33.2936, 0.4327, 0.3167



20.4030, 0.3376, 0.3659



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.



72.9211, 0.3881, 0.4374



85.7835, 0.4024, 0.4565



71.7411, 0.3498, 0.4612



17.3859, 0.3270, 0.3503



36.7563, 0.4357, 0.4923



2.9532, 0.4331, 0.4943



# Inverse Universe

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



26.6489, 0.2234, 0.1903



23.8270, 0.2027, 0.1565



28.1675, 0.2561, 0.1901



14.7629, 0.2980, 0.3068



3.7090, 0.1517, 0.0659

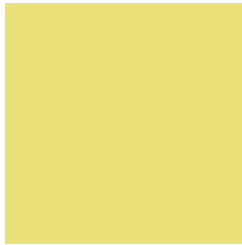


0.3649, 0.1557, 0.0804



# Previews

## White Background



This preview shows how the Yxy color 72.9177, 0.3881, 0.4374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

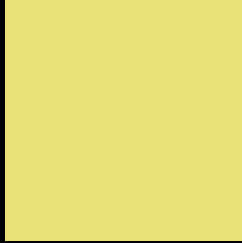
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.9177, 0.3881, 0.4374 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 72.9177, 0.3881, 0.4374**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.9177, 0.3881, 0.4374.



This preview shows how white text looks on a background with the Yxy color 72.9177, 0.3881, 0.4374.

# 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

72.9177, 0.3881, 0.4374

### Protanopia

72.8561, 0.3972, 0.4327

### Deuteranopia

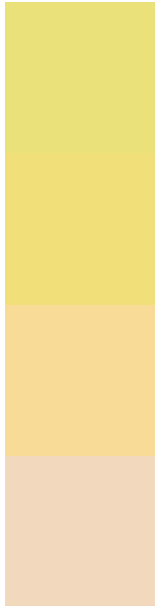
72.6141, 0.3786, 0.3796



## Tritanopia

72.8385, 0.3260, 0.3127

# Trichromacy



## Original Color

72.9177, 0.3881, 0.4374

## Protanomaly

72.8566, 0.3944, 0.4346

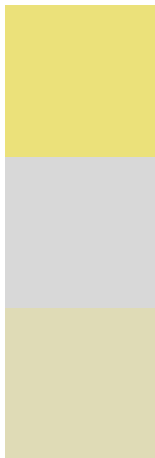
## Deuteranomaly

72.8215, 0.3829, 0.4010

## Tritanomaly

72.2207, 0.3503, 0.3578

# Monochromacy



## Original Color

72.9177, 0.3881, 0.4374

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.7284, 0.3410, 0.3704

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9177, 0.3881, 0.4374 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, 225, 122)` looks like.

```
.text, #text, p{  
    color:rgb(235, 225, 122)  
}
```

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, 225, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 225, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9177, 0.3881, 0.4374 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, 225, 122) }
```

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

```
.border{ border-color:rgb(235, 225, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 225, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 225, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 225, 122);  
box-shadow:4px 4px 4px 4px rgb(235, 225,  
122) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.9177, 0.3881, 0.4374$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 225, 122) }
```

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

```
.background{ background-color: rgb(235,  
225, 122) }
```

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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