

# Converting Colors

$Y_{xy}(72.7739, 0.3784, 0.4124)$

Have a look what the booklet for  
Yxy(72.7739, 0.3784, 0.4124)  
contains.

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# Color

**Yxy(72.6069, 0.3788, 0.4120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFDE90
RGB	239, 222, 144
RGB Percent	94%, 87%, 56%
CMY	0.0626, 0.1294, 0.4354
CMYK	0.00, 0.07, 0.40, 0.06
HSL	49°, 75%, 75%
HSV	49°, 40%, 94%
XYZ	66.7561, 72.6069, 36.8674
YIQ	218.1910, 35.1700, -20.6540

# Conversions

## Conversions Part 2

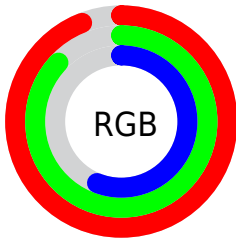
Format	Color
R <sub>Y</sub> B	165, 239, 144
Decimal	15720080
CIE Lab	88.26, -4.95, 40.36
CIE LCh	88, 40.662, 96.990
Yxy	72.6069, 0.3788, 0.4120
Android (android.graphics.Color)	4293910160 (0xFFEFDE90)
YUV	218.1910, -36.5762, 18.2495
Hunter-Lab	85.2097, -9.2742, 33.9940

# Details

The Yxy color **72.6069, 0.3788, 0.4120** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **37.6466, 0.2424, 0.2291**, and the grayscale version is **70.4907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9035, 0.3460, 0.3840**, and **38.3552, 0.3934, 0.4306** is the 20% darker color. If you saturate the color by 10%, you get **69.7099, 0.3961, 0.4314**, and if you desaturate by 10%, it is **75.7230, 0.3613, 0.3912**.

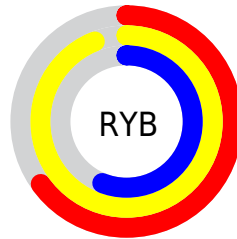
# Distribution



Red (94%)

Green (87%)

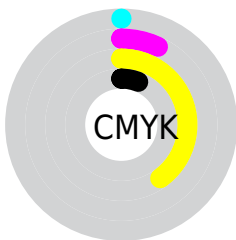
Blue (56%)



Red (65%)

Yellow (94%)

Blue (56%)

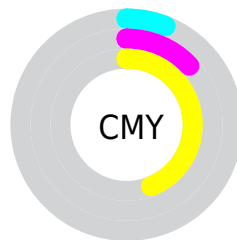


Cyan (0%)

Magenta (7%)

Yellow (40%)

Black (6%)



Cyan (6%)

Magenta (13%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6069, 0.3788, 0.4120 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 72.6069, 0.3788, 0.4120 by changing the saturation by 10% instead.





 72.6069, 0.3788,  
0.4120

 72.6069, 0.3788,  
0.4120


469.6513, 0.3491,  
0.3739

 53.6546, 0.3852,  
0.4204


 122.9190, 0.3688,  
0.3990

 38.3256, 0.3928,  
0.4306


 155.0476, 0.3648,  
0.3938

 26.2355, 0.4019,  
0.4431


192.3370, 0.3613,  
0.3894

 16.9999, 0.4130,  
0.4587

235.1717, 0.3583,  
0.3855

 10.2344, 0.4262,  
0.4781

283.9361, 0.3556,  
0.3821

 5.5547, 0.4428,  
0.5041

339.0146, 0.3532,

 2.5762, 0.4618,

0.3791

0.5382

400.7915, 0.3511,  
0.3763

■ 0.9147, 0.4500,  
0.5500

■ 0.0000, 0.0000,  
0.0000

■ 72.6069, 0.3788,  
0.4120

■ 72.6069, 0.3788,  
0.4120

■ 69.7099, 0.3961,  
0.4314

■ 75.7230, 0.3613,  
0.3912

■ 67.0118, 0.4124,  
0.4484

■ 79.0577, 0.3441,  
0.3699


■ 64.5044, 0.4271,  
0.4620


■ 82.6229, 0.3277,  
0.3488


■ 62.1748, 0.4393,  
0.4714


■ 86.4268, 0.3124,  
0.3285


 60.0077, 0.4487,  
0.4760

 89.9189, 0.3031,  
0.3175

 57.9780, 0.4554,  
0.4765

 92.5169, 0.3030,  
0.3218

 57.9322, 0.4556,  
0.4765

 95.1750, 0.3030,  
0.3260

 97.0951, 0.3030,  
0.3290

# Harmonies

## Analogous

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



72.6069, 0.4065, 0.3853



72.6069, 0.3788, 0.4120



72.6069, 0.3345, 0.4163

# Triad

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



72.6069, 0.3788, 0.4120



72.6069, 0.2262, 0.2980



72.6069, 0.3345, 0.2768

# Complementary

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



72.6069, 0.3788, 0.4120



37.6466, 0.2424, 0.2291

# 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.



72.6069, 0.2853, 0.2560



72.6069, 0.3788, 0.4120



72.6069, 0.2261, 0.2650

# Square

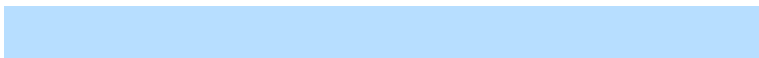
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6069, 0.3788, 0.4120



72.6069, 0.2473, 0.3451



72.6069, 0.2467, 0.2512



72.6069, 0.3807, 0.3094

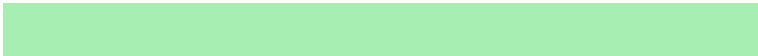


# Rectangle

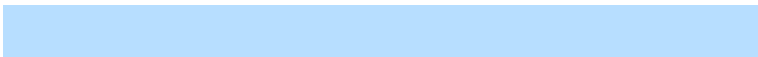
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.6069, 0.3788, 0.4120



72.6069, 0.3020, 0.4026



72.6069, 0.2467, 0.2512



72.6069, 0.3176, 0.2683

# Sweetspot

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



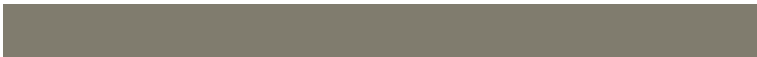
72.6102, 0.3788, 0.4120



94.7365, 0.3314, 0.3536



40.8787, 0.3943, 0.3098



20.1601, 0.3335, 0.3563



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.



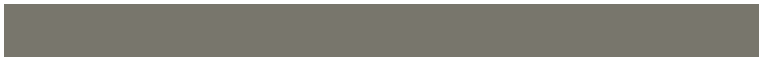
72.6102, 0.3788, 0.4120



81.2644, 0.3934, 0.4285



77.3044, 0.3503, 0.4355



17.9493, 0.3273, 0.3482



32.1832, 0.4549, 0.4770



2.8017, 0.4494, 0.4814



# Inverse Universe

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



37.6466, 0.2424, 0.2291



35.4579, 0.2257, 0.2036



35.1765, 0.2617, 0.2140



15.6865, 0.2980, 0.3090



4.5252, 0.1546, 0.0764

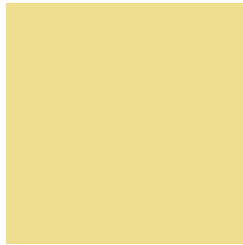


0.5046, 0.1606, 0.0982



# Previews

## White Background



This preview shows how the Yxy color 72.6069, 0.3788, 0.4120 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 72.6069, 0.3788, 0.4120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

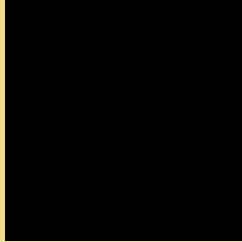
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.6069, 0.3788, 0.4120**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.6069, 0.3788, 0.4120.



This preview shows how white text looks on a background with the Yxy color 72.6069, 0.3788, 0.4120.

# 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

72.6069, 0.3788, 0.4120

### Protanopia

72.4273, 0.3807, 0.4105

### Deuteranopia

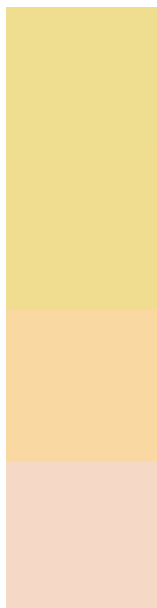
72.2554, 0.3760, 0.3745



## Tritanopia

72.6449, 0.3283, 0.3127

# Trichromacy



## Original Color

72.6069, 0.3788, 0.4120

## Protanomaly

72.2518, 0.3799, 0.4108

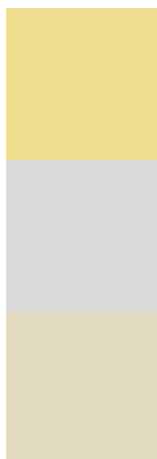
## Deuteranomaly

72.3387, 0.3768, 0.3876

## Tritanomaly

72.5554, 0.3478, 0.3491

# Monochromacy



## Original Color

72.6069, 0.3788, 0.4120

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.5934, 0.3370, 0.3599

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6069, 0.3788, 0.4120 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, 144)` looks like.

```
.text, #text, p{  
    color:rgb(239, 222, 144)  
}
```

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, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 222, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 72.6069, 0.3788, 0.4120 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, 144) }
```

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

```
.border{ border-color:rgb(239, 222, 144) }
```

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, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 222, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 222, 144);  
box-shadow:4px 4px 4px 4px rgb(239, 222,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.6069, 0.3788, 0.4120 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, 144) }
```

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

```
.background{ background-color: rgb(239,  
222, 144) }
```

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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