

# Converting Colors

$Y_{xy}(74.0079, 0.3754, 0.4188)$

Have a look what the booklet for  
Yxy(74.0079, 0.3754, 0.4188)  
contains.

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# Color

**Yxy(74.0079, 0.3754, 0.4188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBE28E
RGB	235, 226, 142
RGB Percent	92%, 89%, 56%
CMY	0.0784, 0.1137, 0.4432
CMYK	0.00, 0.04, 0.40, 0.08
HSL	54°, 70%, 74%
HSV	54°, 40%, 92%
XYZ	66.3385, 74.0079, 36.3678
YIQ	219.1150, 32.3280, -24.2160

# Conversions

## Conversions Part 2

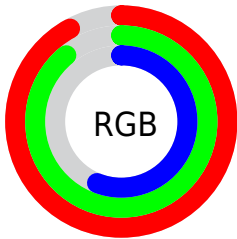
Format	Color
R <sub>Y</sub> B	152, 235, 142
Decimal	15458958
CIE Lab	88.93, -8.75, 42.14
CIE LCh	89, 43.040, 101.729
Yxy	74.0079, 0.3754, 0.4188
Android (android.graphics.Color)	4293649038 (0xFFEBE28E)
YUV	219.1150, -38.0177, 13.9311
Hunter-Lab	86.0278, -12.9023, 35.1550

# Details

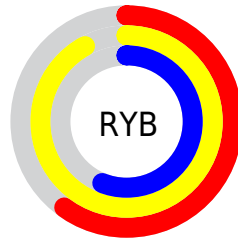
The Yxy color **74.0079, 0.3754, 0.4188** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.8692, 0.2412, 0.2196**, and the grayscale version is **71.1750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **39.3290, 0.3883, 0.4393** is the 20% darker color. If you saturate the color by 10%, you get **72.1507, 0.3908, 0.4396**, and if you desaturate by 10%, it is **76.0370, 0.3593, 0.3964**.

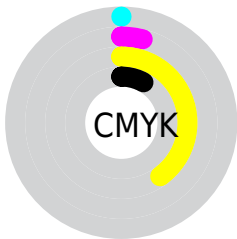
# Distribution



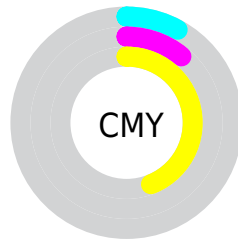
- Red (92%)
- Green (89%)
- Blue (56%)



- Red (60%)
- Yellow (92%)
- Blue (56%)



- Cyan (0%)
- Magenta (4%)
- Yellow (40%)
- Black (8%)




- Cyan (8%)
- Magenta (11%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.0079, 0.3754, 0.4188 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 74.0079, 0.3754, 0.4188 by changing the saturation by 10% instead.




 74.0079, 0.3754,  
0.4188

 74.0079, 0.3754,  
0.4188


474.5006, 0.3476,  
0.3774

 54.8005, 0.3812,  
0.4280


 124.9070, 0.3661,  
0.4046

 39.2420, 0.3882,  
0.4391


 157.3675, 0.3624,  
0.3990

 26.9481, 0.3964,  
0.4528


195.0145, 0.3592,  
0.3942

 17.5342, 0.4060,  
0.4699

238.2324, 0.3563,  
0.3900

 10.6161, 0.4172,  
0.4914

287.4055, 0.3538,  
0.3863

 5.8093, 0.4308,  
0.5207


342.9184, 0.3515,

 2.7295, 0.4426,

0.3830

0.5574


405.1553, 0.3495,  
0.3801

 0.9922, 0.4224,  
0.5776


 0.0000, 0.0000,  
0.0000

 74.0079, 0.3754,  
0.4188


 74.0079, 0.3754,  
0.4188


 72.1507, 0.3908,  
0.4396

 76.0370, 0.3593,  
0.3964


 70.4459, 0.4049,  
0.4578


 78.2366, 0.3431,  
0.3733

 68.8861, 0.4169,  
0.4724

 80.6180, 0.3272,  
0.3504


 67.4593, 0.4265,  
0.4828


 83.1887, 0.3121,  
0.3281

 66.1513, 0.4332,  
0.4887


 85.6643, 0.3006,  
0.3113

 64.9388, 0.4375,  
0.4906

 86.9911, 0.3006,  
0.3136

 64.8897, 0.4377,  
0.4907

 88.3347, 0.3006,  
0.3159

 89.6951, 0.3006,  
0.3182

 91.0723, 0.3006,  
0.3205

# Harmonies

## Analogous

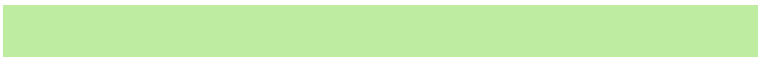
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.0079, 0.4082, 0.3932



74.0079, 0.3754, 0.4188



74.0079, 0.3272, 0.4190

# Triad

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



74.0079, 0.3754, 0.4188



74.0079, 0.2206, 0.2895



74.0079, 0.3439, 0.2791

# Complementary

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



74.0079, 0.3754, 0.4188



33.8692, 0.2412, 0.2196

# 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.



74.0079, 0.2915, 0.2551



74.0079, 0.3754, 0.4188



74.0079, 0.2240, 0.2581

# Square

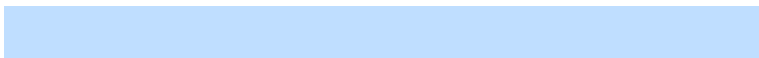
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.0079, 0.3754, 0.4188



74.0079, 0.2392, 0.3375



74.0079, 0.2487, 0.2471



74.0079, 0.3905, 0.3145



# Rectangle

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



74.0079, 0.3754, 0.4188



74.0079, 0.2934, 0.4013



74.0079, 0.2487, 0.2471



74.0079, 0.3262, 0.2695

# Sweetspot

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



74.0113, 0.3754, 0.4188



96.3103, 0.3311, 0.3560



39.2435, 0.4023, 0.3187



20.5327, 0.3331, 0.3590



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

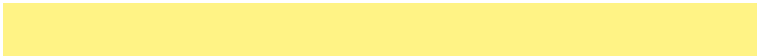


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.0113, 0.3754, 0.4188



87.1426, 0.3888, 0.4369



73.3473, 0.3445, 0.4370



17.3635, 0.3270, 0.3501



36.2180, 0.4373, 0.4910



2.9164, 0.4345, 0.4932



# Inverse Universe

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



33.8692, 0.2412, 0.2196



32.2525, 0.2233, 0.1911



34.9416, 0.2684, 0.2166



14.7831, 0.2980, 0.3070



3.7550, 0.1519, 0.0667

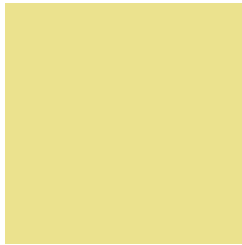


0.3745, 0.1562, 0.0822



# Previews

## White Background



This preview shows how the Yxy color 74.0079, 0.3754, 0.4188 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

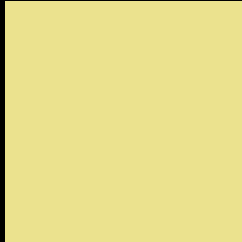
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.0079, 0.3754, 0.4188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

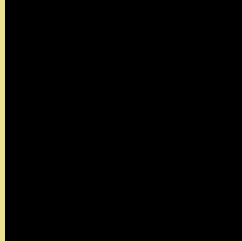
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.0079, 0.3754, 0.4188**

## Background



This preview shows how black text looks on a background with the Yxy color 74.0079, 0.3754, 0.4188.



This preview shows how white text looks on a background with the Yxy color 74.0079, 0.3754, 0.4188.

# 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

74.0079, 0.3754, 0.4188

### Protanopia

73.7531, 0.3834, 0.4149

### Deuteranopia

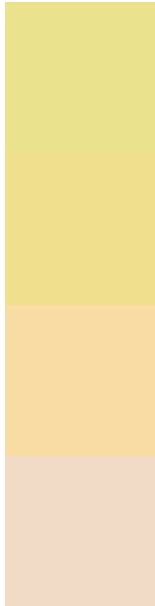
73.9809, 0.3713, 0.3723



## Tritanopia

73.8396, 0.3230, 0.3117

# Trichromacy



## Original Color

74.0079, 0.3754, 0.4188

## Protanomaly

73.7597, 0.3807, 0.4166

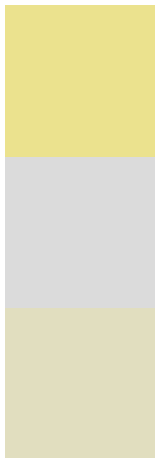
## Deuteranomaly

73.7872, 0.3735, 0.3886

## Tritanomaly

73.4873, 0.3427, 0.3502

# Monochromacy



## Original Color

74.0079, 0.3754, 0.4188

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

72.0117, 0.3358, 0.3632

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.0079, 0.3754, 0.4188 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, 226, 142)` looks like.

```
.text, #text, p{  
    color:rgb(235, 226, 142)  
}
```

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, 226, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 226, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 74.0079, 0.3754, 0.4188 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, 226, 142) }
```

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

```
.border{ border-color:rgb(235, 226, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 226, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 226, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 226, 142);  
box-shadow:4px 4px 4px 4px rgb(235, 226,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.0079, 0.3754, 0.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 226, 142) }
```

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

```
.background{ background-color: rgb(235,  
226, 142) }
```

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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