

# Converting Colors

$Y_{xy}(74.8580, 0.3793, 0.4302)$

Have a look what the booklet for  
Yxy(74.8580, 0.3793, 0.4302)  
contains.

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# Color

**Yxy(74.6727, 0.3794, 0.4299)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE485
RGB	234, 228, 133
RGB Percent	92%, 89%, 52%
CMY	0.0825, 0.1058, 0.4785
CMYK	0.00, 0.03, 0.43, 0.08
HSL	56°, 71%, 72%
HSV	56°, 43%, 92%
XYZ	65.9010, 74.6727, 33.1242
YIQ	218.9640, 34.0710, -28.2730

# Conversions

## Conversions Part 2

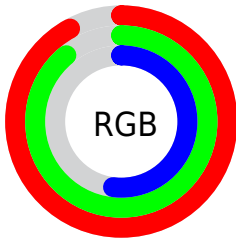
Format	Color
R <sub>Y</sub> B	139, 234, 133
Decimal	15393925
CIE Lab	89.24, -11.08, 46.94
CIE LCh	89, 48.225, 103.278
Yxy	74.6727, 0.3794, 0.4299
Android (android.graphics.Color)	4293584005 (0xFFEAE485)
YUV	218.9640, -42.3803, 13.1866
Hunter-Lab	86.4134, -15.0949, 37.7622

# Details

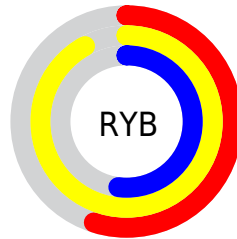
The Yxy color **74.6727, 0.3794, 0.4299** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.3728, 0.2330, 0.2028**, and the grayscale version is **71.0926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **39.8283, 0.3926, 0.4524** is the 20% darker color. If you saturate the color by 10%, you get **73.3436, 0.3935, 0.4504**, and if you desaturate by 10%, it is **76.1587, 0.3641, 0.4073**.

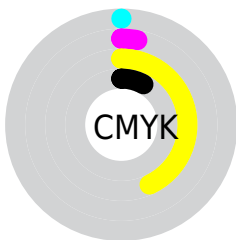
# Distribution



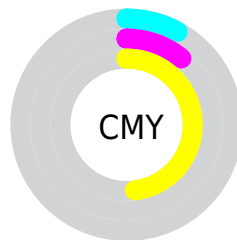
- Red (92%)
- Green (89%)
- Blue (52%)



- Red (55%)
- Yellow (92%)
- Blue (52%)



- Cyan (0%)
- Magenta (3%)
- Yellow (43%)
- Black (8%)



- Cyan (8%)
- Magenta (11%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6727, 0.3794, 0.4299 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 74.6727, 0.3794, 0.4299 by changing the saturation by 10% instead.




 74.6727, 0.3794,  
0.4299

 74.6727, 0.3794,  
0.4299

476.7918, 0.3503,  
0.3835

 55.3448, 0.3854,  
0.4401


 125.8489, 0.3698,  
0.4141

 39.6778, 0.3923,  
0.4524


 158.4661, 0.3659,  
0.4078

 27.2875, 0.4003,  
0.4674


 196.2817, 0.3625,  
0.4024

 17.7892, 0.4094,  
0.4859

239.6803, 0.3595,  
0.3977

 10.7988, 0.4191,  
0.5087

289.0462, 0.3568,  
0.3935

 5.9317, 0.4338,  
0.5439

344.7639, 0.3544,

 2.8036, 0.4310,

0.3898

0.5690

407.2176, 0.3523,  
0.3865

■ 1.0301, 0.4052,  
0.5948

■ 0.0000, 0.0000,  
0.0000

■ 74.6727, 0.3794,  
0.4299

■ 74.6727, 0.3794,  
0.4299

■ 73.3436, 0.3935,  
0.4504

■ 76.1587, 0.3641,  
0.4073

■ 72.1514, 0.4059,  
0.4678

■ 77.8002, 0.3484,  
0.3836

■ 71.0888, 0.4160,  
0.4814


■ 79.6087, 0.3326,  
0.3597


■ 70.1431, 0.4234,  
0.4905

■ 81.5917, 0.3174,  
0.3362


 69.2992, 0.4281,  
0.4953


 83.7562, 0.3029,  
0.3138

 68.7645, 0.4302,  
0.4966

 84.8688, 0.2999,  
0.3102

 85.6678, 0.2999,  
0.3116

 86.4730, 0.2999,  
0.3130

 87.2844, 0.2999,  
0.3144

# Harmonies

## Analogous

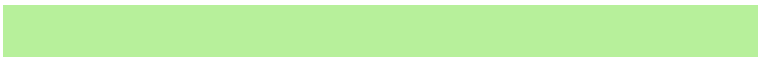
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6727, 0.4176, 0.4014



74.6727, 0.3794, 0.4299



74.6727, 0.3253, 0.4294

# Triad

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



74.6727, 0.3794, 0.4299



74.6727, 0.2105, 0.2821



74.6727, 0.3503, 0.2755

# Complementary

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



74.6727, 0.3794, 0.4299



29.3728, 0.2330, 0.2028

# 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.



74.6727, 0.2916, 0.2485



74.6727, 0.3794, 0.4299



74.6727, 0.2156, 0.2490

# Square

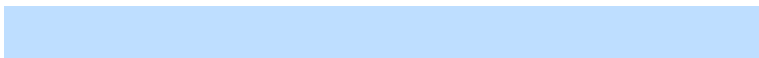
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.6727, 0.3794, 0.4299



74.6727, 0.2294, 0.3349



74.6727, 0.2437, 0.2385



74.6727, 0.4018, 0.3146



# Rectangle

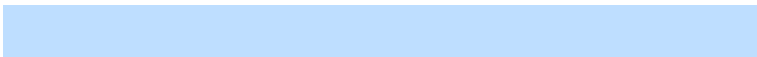
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.6727, 0.3794, 0.4299



74.6727, 0.2878, 0.4085



74.6727, 0.2437, 0.2385



74.6727, 0.3305, 0.2649

# Sweetspot

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



74.6761, 0.3794, 0.4299



96.8048, 0.3325, 0.3594



36.1440, 0.4185, 0.3217



20.6119, 0.3359, 0.3647



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.



74.6761, 0.3794, 0.4299



89.3064, 0.3923, 0.4486



71.4970, 0.3444, 0.4482



17.4659, 0.3269, 0.3509



38.7189, 0.4300, 0.4968



3.0867, 0.4284, 0.4981



# Inverse Universe

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



29.3728, 0.2330, 0.2028



27.4109, 0.2139, 0.1717



32.0275, 0.2662, 0.2064



14.6914, 0.2980, 0.3061



3.5703, 0.1511, 0.0637

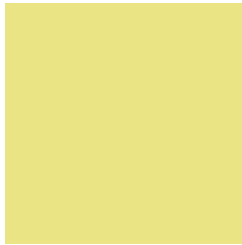


0.3307, 0.1538, 0.0738



# Previews

## White Background



This preview shows how the Yxy color 74.6727, 0.3794, 0.4299 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

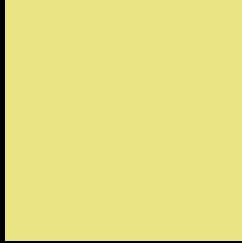
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6727, 0.3794, 0.4299 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

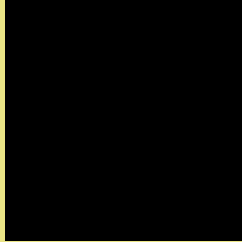
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.6727, 0.3794, 0.4299**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6727, 0.3794, 0.4299.



This preview shows how white text looks on a background with the Yxy color 74.6727, 0.3794, 0.4299.

# 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

74.6727, 0.3794, 0.4299

### Protanopia

74.5701, 0.3911, 0.4237

### Deuteranopia

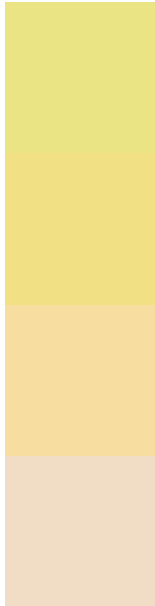
74.5374, 0.3703, 0.3722



## Tritanopia

74.4074, 0.3222, 0.3117

# Trichromacy



## Original Color

74.6727, 0.3794, 0.4299

## Protanomaly

74.3936, 0.3875, 0.4258

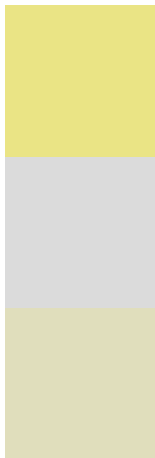
## Deuteranomaly

74.5548, 0.3741, 0.3939

## Tritanomaly

73.9184, 0.3440, 0.3534

# Monochromacy



## Original Color

74.6727, 0.3794, 0.4299

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.7207, 0.3371, 0.3667

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6727, 0.3794, 0.4299 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, 228, 133)` looks like.

```
.text, #text, p{  
    color:rgb(234, 228, 133)  
}
```

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, 228, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 228, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6727, 0.3794, 0.4299 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, 228, 133) }
```

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

```
.border{ border-color:rgb(234, 228, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 228, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 228, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 228, 133); box-shadow:4px 4px 4px 4px rgb(234, 228, 133) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6727, 0.3794, 0.4299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 228, 133) }
```

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

```
.background{ background-color: rgb(234,  
228, 133) }
```

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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