

# Converting Colors

$Yxy(78.2204, 0.3443, 0.3769)$

Have a look what the booklet for  
Yxy(78.2204, 0.3443, 0.3769)  
contains.

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# Color

**Yxy(78.1894, 0.3442, 0.3771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE7BA
RGB	234, 231, 186
RGB Percent	92%, 91%, 73%
CMY	0.0824, 0.0941, 0.2706
CMYK	0.00, 0.01, 0.21, 0.08
HSL	56°, 53%, 82%
HSV	56°, 21%, 92%
XYZ	71.3678, 78.1894, 57.7868
YIQ	226.7670, 16.2330, -13.3590

# Conversions

## Conversions Part 2

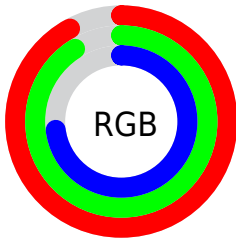
Format	Color
R <sub>Y</sub> B	189, 234, 186
Decimal	15394746
CIE Lab	90.87, -6.18, 22.33
CIE LCh	91, 23.163, 105.461
Yxy	78.1894, 0.3442, 0.3771
Android (android.graphics.Color)	4293584826 (0xFFEAE7BA)
YUV	226.7670, -20.0981, 6.3433
Hunter-Lab	88.4248, -10.6757, 23.1505

# Details

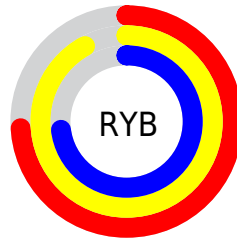
The Yxy color **78.1894, 0.3442, 0.3771** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.7680, 0.2786, 0.2759**, and the grayscale version is **76.7788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **42.2091, 0.3508, 0.3885** is the 20% darker color. If you saturate the color by 10%, you get **76.4679, 0.3600, 0.4009**, and if you desaturate by 10%, it is **80.0876, 0.3285, 0.3533**.

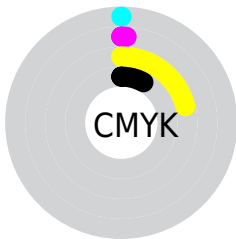
# Distribution



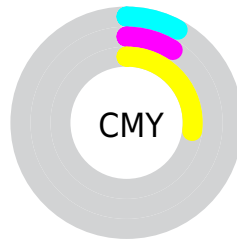
- Red (92%)
- Green (91%)
- Blue (73%)



- Red (74%)
- Yellow (92%)
- Blue (73%)



- Cyan (0%)
- Magenta (1%)
- Yellow (21%)
- Black (8%)




- Cyan (8%)
- Magenta (9%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1894, 0.3442, 0.3771 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 78.1894, 0.3442, 0.3771 by changing the saturation by 10% instead.





 78.1894, 0.3442,  
0.3771

 78.1894, 0.3442,  
0.3771

488.8098, 0.3300,  
0.3549

 58.2296, 0.3473,  
0.3821


 130.8171, 0.3394,  
0.3694

 41.9932, 0.3511,  
0.3883


164.2537, 0.3375,  
0.3664

 29.0960, 0.3559,  
0.3961


202.9514, 0.3358,  
0.3638

 19.1535, 0.3618,  
0.4062

247.2946, 0.3344,  
0.3616

 11.7812, 0.3696,  
0.4198

297.6677, 0.3331,  
0.3596

 6.5949, 0.3800,  
0.4389


354.4549, 0.3319,


 3.2101, 0.3941,


0.3579


0.4670


418.0409, 0.3309,  
0.3563

 1.2424, 0.4464,  
0.5536


 0.0959, 0.0000,  
1.0000


 78.1894, 0.3442,  
0.3771


 78.1894, 0.3442,  
0.3771

 76.4679, 0.3600,  
0.4009


 80.0876, 0.3285,  
0.3533


 74.9046, 0.3755,  
0.4238

 82.1594, 0.3135,  
0.3301

 73.4946, 0.3901,  
0.4449

 84.3377, 0.2999,  
0.3093

 72.2283, 0.4031,  
0.4632

 85.1746, 0.2999,  
0.3107

71.0951, 0.4139,  
0.4778

86.0184, 0.2999,  
0.3122

70.0832, 0.4222,  
0.4881

86.8690, 0.2999,  
0.3137

69.1780, 0.4277,  
0.4940

87.7264, 0.2999,  
0.3152

68.3947, 0.4308,  
0.4962

88.5907, 0.2999,  
0.3166

89.4619, 0.2999,  
0.3181

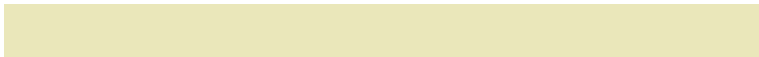
# Harmonies

## Analogous

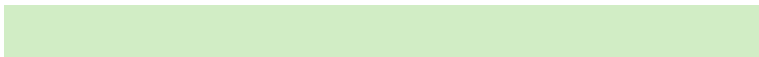
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1894, 0.3622, 0.3670



78.1894, 0.3442, 0.3771



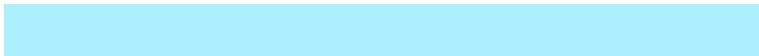
78.1894, 0.3182, 0.3735

# Triad

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



78.1894, 0.3442, 0.3771



78.1894, 0.2616, 0.3066



78.1894, 0.3330, 0.3038

# Complementary

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



78.1894, 0.3442, 0.3771



52.7680, 0.2786, 0.2759

# Split Complementary

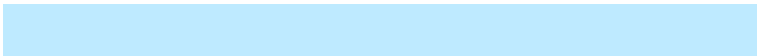
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1894, 0.3054, 0.2891



78.1894, 0.3442, 0.3771



78.1894, 0.2651, 0.2897

# Square

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



78.1894, 0.3442, 0.3771



78.1894, 0.2711, 0.3310



78.1894, 0.2807, 0.2838



78.1894, 0.3559, 0.3248

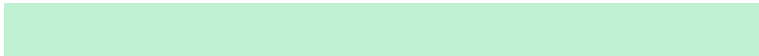


# Rectangle

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



78.1894, 0.3442, 0.3771



78.1894, 0.3000, 0.3632



78.1894, 0.2807, 0.2838



78.1894, 0.3239, 0.2980

# Sweetspot

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



78.1929, 0.3442, 0.3771



98.4489, 0.3217, 0.3428



56.2934, 0.3510, 0.3256



21.0370, 0.3227, 0.3444



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.



78.1929, 0.3442, 0.3771



94.0534, 0.3515, 0.3881



76.5597, 0.3287, 0.3826



17.4574, 0.3269, 0.3509



38.5080, 0.4306, 0.4963



3.0724, 0.4289, 0.4977



# Inverse Universe

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



52.7680, 0.2786, 0.2759



57.4522, 0.2699, 0.2621



54.2961, 0.2939, 0.2747



14.6990, 0.2980, 0.3062



3.5831, 0.1511, 0.0639

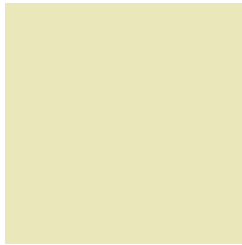


0.3343, 0.1540, 0.0745



# Previews

## White Background



This preview shows how the Yxy color 78.1894, 0.3442, 0.3771 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

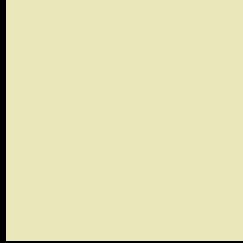
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.1894, 0.3442, 0.3771 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

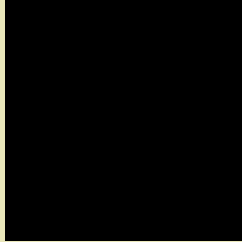
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

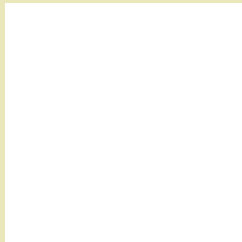
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.1894, 0.3442, 0.3771**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.1894, 0.3442, 0.3771.



This preview shows how white text looks on a background with the Yxy color 78.1894, 0.3442, 0.3771.

# 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

78.1894, 0.3442, 0.3771

### Protanopia

78.0443, 0.3522, 0.3741

### Deuteranopia

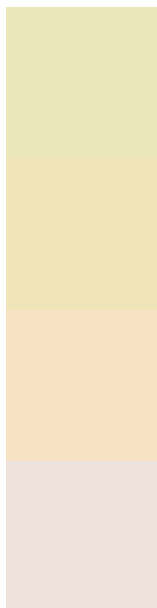
78.2524, 0.3511, 0.3514



## Tritanopia

77.8270, 0.3136, 0.3107

# Trichromacy



## Original Color

78.1894, 0.3442, 0.3771

## Protanomaly

78.0667, 0.3497, 0.3755

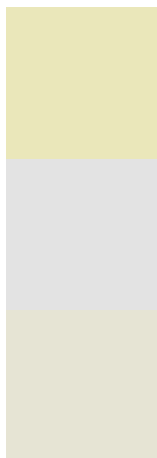
## Deuteranomaly

78.1524, 0.3480, 0.3601

## Tritanomaly

77.7903, 0.3244, 0.3342

# Monochromacy



## Original Color

78.1894, 0.3442, 0.3771

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

77.0633, 0.3245, 0.3461

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.1894, 0.3442, 0.3771 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, 231, 186)` looks like.

```
.text, #text, p{  
    color:rgb(234, 231, 186)  
}
```

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, 231, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 231, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 78.1894, 0.3442, 0.3771 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, 231, 186) }
```

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

```
.border{ border-color:rgb(234, 231, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 231, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 231, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 231, 186);  
box-shadow:4px 4px 4px 4px rgb(234, 231,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.1894, 0.3442, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 231, 186) }
```

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

```
.background{ background-color: rgb(234,  
231, 186) }
```

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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