

# Converting Colors

$Y_{xy}(71.1524, 0.3602, 0.3844)$

Have a look what the booklet for  
Yxy(71.1524, 0.3602, 0.3844)  
contains.

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# Color

**Yxy(71.1524, 0.3602, 0.3844)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBDBA8
RGB	235, 219, 168
RGB Percent	92%, 86%, 66%
CMY	0.0783, 0.1412, 0.3411
CMYK	0.00, 0.07, 0.29, 0.08
HSL	46°, 63%, 79%
HSV	46°, 29%, 92%
XYZ	66.6730, 71.1524, 47.2745
YIQ	217.9700, 25.9070, -12.4690

# Conversions

## Conversions Part 2

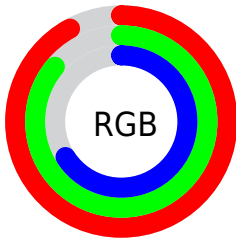
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 235, 168
Decimal	15457192
CIELab	87.56, -2.11, 27.11
CIELCh	88, 27.188, 94.455
Yxy	71.1524, 0.3602, 0.3844
Android (android.graphics.Color)	4293647272 (0xFFEBDBA8)
YUV	217.9700, -24.6352, 14.9353
Hunter-Lab	84.3519, -6.5267, 25.8176

# Details

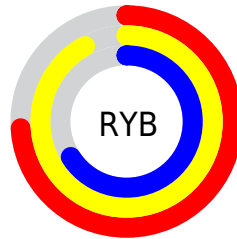
The Yxy color **71.1524, 0.3602, 0.3844** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.6408, 0.2648, 0.2666**, and the grayscale version is **70.2553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **37.2769, 0.3703, 0.3968** is the 20% darker color. If you saturate the color by 10%, you get **67.4688, 0.3787, 0.4040**, and if you desaturate by 10%, it is **75.1002, 0.3425, 0.3645**.

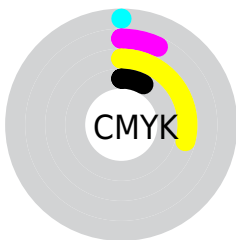
# Distribution



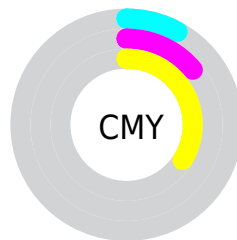
- Red (92%)
- Green (86%)
- Blue (66%)



- Red (74%)
- Yellow (92%)
- Blue (66%)



- Cyan (0%)
- Magenta (7%)
- Yellow (29%)
- Black (8%)




- Cyan (8%)
- Magenta (14%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1524, 0.3602, 0.3844 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 71.1524, 0.3602, 0.3844 by changing the saturation by 10% instead.




 71.1524, 0.3602,  
0.3844


 71.1524, 0.3602,  
0.3844

464.5860, 0.3384,  
0.3587

 52.4666, 0.3651,  
0.3902


 120.8507, 0.3527,  
0.3755

 37.3771, 0.3711,  
0.3974


 152.6320, 0.3497,  
0.3720

 25.4996, 0.3786,  
0.4064


189.5472, 0.3472,  
0.3691

 16.4497, 0.3881,  
0.4179

231.9807, 0.3450,  
0.3665

 9.8429, 0.4005,  
0.4332

280.3169, 0.3430,  
0.3642

 5.2949, 0.4171,  
0.4539

334.9403, 0.3413,

 2.4213, 0.4545,

0.3621

0.4998

396.2352, 0.3397,  
0.3603

0.8368, 0.4706,  
0.5294

0.0000, 0.0000,  
0.0000

71.1524, 0.3602,  
0.3844

71.1524, 0.3602,  
0.3844

67.4688, 0.3787,  
0.4040

75.1002, 0.3425,  
0.3645

64.0302, 0.3974,  
0.4226

79.3113, 0.3259,  
0.3450

60.8295, 0.4157,  
0.4390

83.7973, 0.3105,  
0.3263

57.8554, 0.4327,  
0.4522

88.1044, 0.3006,  
0.3155

■ 55.0950, 0.4476,  
0.4613

■ 91.4991, 0.3006,  
0.3212

■ 52.5332, 0.4596,  
0.4655

■ 94.9977, 0.3006,  
0.3268

■ 50.1489, 0.4688,  
0.4652

■ 96.4100, 0.3006,  
0.3290

■ 49.8060, 0.4700,  
0.4650

# Harmonies

## Analogous

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



71.1524, 0.3768, 0.3668



71.1524, 0.3602, 0.3844



71.1524, 0.3312, 0.3871

# Triad

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



71.1524, 0.3602, 0.3844



71.1524, 0.2537, 0.3116



71.1524, 0.3250, 0.2912

# Complementary

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



71.1524, 0.3602, 0.3844



48.6408, 0.2648, 0.2666

# Split Complementary

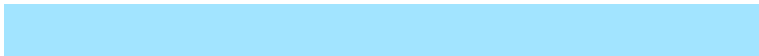
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.1524, 0.2919, 0.2774



71.1524, 0.3602, 0.3844



71.1524, 0.2522, 0.2874

# Square

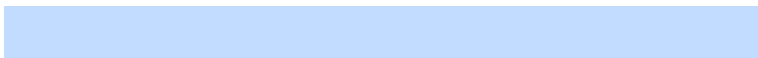
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.1524, 0.3602, 0.3844



71.1524, 0.2701, 0.3430



71.1524, 0.2657, 0.2756



71.1524, 0.3562, 0.3140



# Rectangle

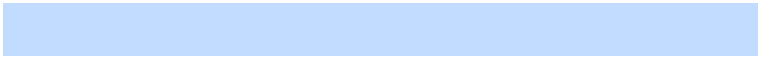
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.1524, 0.3602, 0.3844



71.1524, 0.3090, 0.3787



71.1524, 0.2657, 0.2756



71.1524, 0.3137, 0.2854

# Sweetspot

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



71.1556, 0.3602, 0.3844



95.1513, 0.3267, 0.3460



49.1762, 0.3598, 0.3103



20.2040, 0.3291, 0.3488



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.



71.1556, 0.3602, 0.3844



83.0754, 0.3705, 0.3955



77.2211, 0.3435, 0.4032



16.9799, 0.3274, 0.3468



27.9147, 0.4690, 0.4658



2.3386, 0.4607, 0.4724



# Inverse Universe

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



48.6408, 0.2648, 0.2666



52.0029, 0.2543, 0.2520



44.3002, 0.2753, 0.2491



15.1348, 0.2980, 0.3105



5.0931, 0.1575, 0.0870

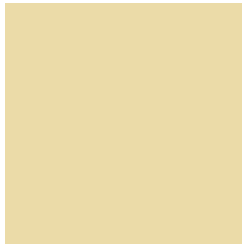


0.5456, 0.1647, 0.1127



# Previews

## White Background



This preview shows how the Yxy color 71.1524, 0.3602, 0.3844 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 71.1524, 0.3602, 0.3844 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

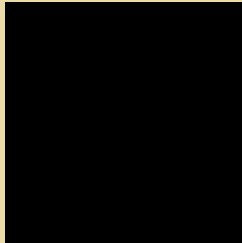
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

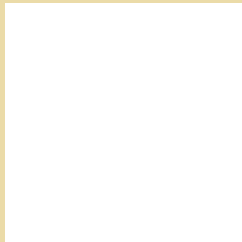
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.1524, 0.3602, 0.3844**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1524, 0.3602, 0.3844.

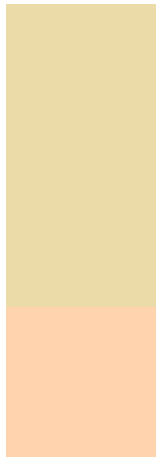


This preview shows how white text looks on a background with the Yxy color 71.1524, 0.3602, 0.3844.

# 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

71.1524, 0.3602, 0.3844

### Protanopia

70.9826, 0.3594, 0.3846

### Deuteranopia

70.9045, 0.3739, 0.3674



## Tritanopia

71.0672, 0.3239, 0.3114

# Trichromacy



**Original Color**

71.1524, 0.3602, 0.3844

**Protanomaly**

70.9826, 0.3594, 0.3846

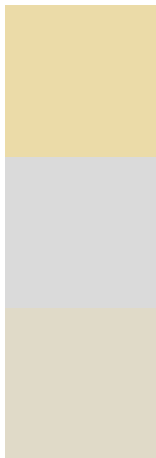
**Deuteranomaly**

71.0282, 0.3690, 0.3733

**Tritanomaly**

70.9001, 0.3370, 0.3376

# Monochromacy



**Original Color**

71.1524, 0.3602, 0.3844

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

70.1602, 0.3294, 0.3489

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1524, 0.3602, 0.3844 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, 219, 168)` looks like.

```
.text, #text, p{  
    color:rgb(235, 219, 168)  
}
```

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, 219, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 219, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1524, 0.3602, 0.3844 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, 219, 168) }
```

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

```
.border{ border-color:rgb(235, 219, 168) }
```

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

Here you see how a box with a 4 pixel rgb(235, 219, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 219, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 219, 168);  
box-shadow:4px 4px 4px 4px rgb(235, 219,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1524, 0.3602, 0.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 219, 168) }
```

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

```
.background{ background-color: rgb(235,  
219, 168) }
```

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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