

# Converting Colors

$Yxy(75.3343, 0.3600, 0.3824)$

Have a look what the booklet for  
Yxy(75.3343, 0.3600, 0.3824)  
contains.

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# Color

**Yxy(75.2445, 0.3600, 0.3820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E0AE
RGB	242, 224, 174
RGB Percent	95%, 88%, 68%
CMY	0.0510, 0.1215, 0.3177
CMYK	0.00, 0.07, 0.28, 0.05
HSL	44°, 72%, 82%
HSV	44°, 28%, 95%
XYZ	70.9110, 75.2445, 50.8196
YIQ	223.6820, 26.7780, -11.7340

# Conversions

## Conversions Part 2

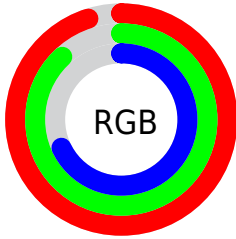
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 242, 174
Decimal	15917230
CIELab	89.51, -1.29, 26.77
CIELCh	90, 26.802, 92.758
Yxy	75.2445, 0.3600, 0.3820
Android (android.graphics.Color)	4294107310 (0xFFFF2E0AE)
YUV	223.6820, -24.4932, 16.0649
Hunter-Lab	86.7436, -5.8813, 25.9849

# Details

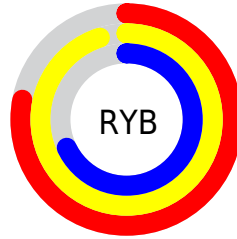
The Yxy color **75.2445, 0.3600, 0.3820** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.0926, 0.2657, 0.2696**, and the grayscale version is **74.4668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **40.0707, 0.3707, 0.3946** is the 20% darker color. If you saturate the color by 10%, you get **71.0117, 0.3789, 0.4012**, and if you desaturate by 10%, it is **79.7837, 0.3420, 0.3627**.

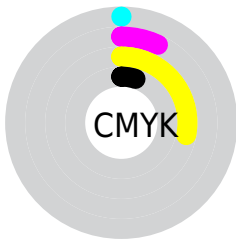
# Distribution



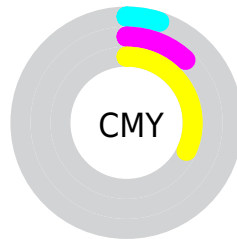
- Red (95%)
- Green (88%)
- Blue (68%)



- Red (78%)
- Yellow (95%)
- Blue (68%)



- Cyan (0%)
- Magenta (7%)
- Yellow (28%)
- Black (5%)




- Cyan (5%)
- Magenta (12%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2445, 0.3600, 0.3820 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 75.2445, 0.3600, 0.3820 by changing the saturation by 10% instead.




 75.2445, 0.3600,  
0.3820

 75.2445, 0.3600,  
0.3820

478.7575, 0.3384,  
0.3577

 55.8132, 0.3648,  
0.3874


 126.6584, 0.3526,  
0.3736

 40.0532, 0.3707,  
0.3941


159.4098, 0.3497,  
0.3704

 27.5800, 0.3780,  
0.4024

197.3700, 0.3472,  
0.3675

 18.0093, 0.3872,  
0.4130

240.9235, 0.3450,  
0.3651

 10.9567, 0.3993,  
0.4270

290.4546, 0.3431,  
0.3629

 6.0377, 0.4154,  
0.4458

346.3477, 0.3413,

 2.8680, 0.4425,

0.3610

0.4776

408.9872, 0.3398,  
0.3593

1.0632, 0.4785,  
0.5215

0.0000, 0.0000,  
0.0000

75.2445, 0.3600,  
0.3820

75.2445, 0.3600,  
0.3820

71.0117, 0.3789,  
0.4012

79.7837, 0.3420,  
0.3627

67.0645, 0.3983,  
0.4193

84.6288, 0.3253,  
0.3437

63.3948, 0.4174,  
0.4354

89.7925, 0.3099,  
0.3257

59.9902, 0.4353,  
0.4483

94.2252, 0.3048,  
0.3237

■ 56.8365, 0.4513,  
0.4572

■ 97.6167, 0.3047,  
0.3290

■ 53.9172, 0.4645,  
0.4611

■ 51.2104, 0.4747,  
0.4603

■ 50.7159, 0.4764,  
0.4599

# Harmonies

## Analogous

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



75.2445, 0.3752, 0.3644



75.2445, 0.3600, 0.3820



75.2445, 0.3324, 0.3854

# Triad

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



75.2445, 0.3600, 0.3820



75.2445, 0.2561, 0.3138



75.2445, 0.3228, 0.2914

# Complementary

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



75.2445, 0.3600, 0.3820



53.0926, 0.2657, 0.2696

# Split Complementary

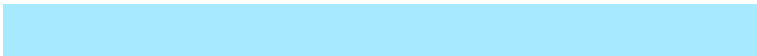
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.2445, 0.2909, 0.2785



75.2445, 0.3600, 0.3820



75.2445, 0.2537, 0.2898

# Square

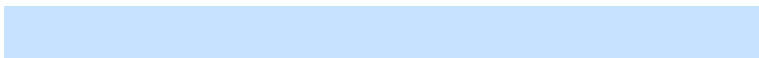
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.2445, 0.3600, 0.3820



75.2445, 0.2728, 0.3443



75.2445, 0.2661, 0.2776



75.2445, 0.3533, 0.3131

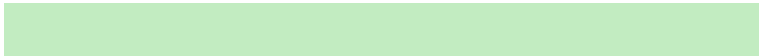


# Rectangle

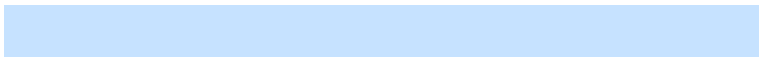
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.2445, 0.3600, 0.3820



75.2445, 0.3110, 0.3780



75.2445, 0.2661, 0.2776



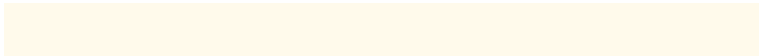
75.2445, 0.3118, 0.2859

# Sweetspot

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



75.2479, 0.3600, 0.3820



95.3609, 0.3251, 0.3436



52.9523, 0.3580, 0.3094



20.2300, 0.3276, 0.3464



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.



75.2479, 0.3600, 0.3820



81.8512, 0.3712, 0.3935



82.7469, 0.3440, 0.4020



17.7104, 0.3275, 0.3463



27.4810, 0.4753, 0.4608



2.4478, 0.4662, 0.4680



# Inverse Universe

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



53.0926, 0.2657, 0.2696



52.9396, 0.2546, 0.2546



47.6031, 0.2750, 0.2500



15.9086, 0.2980, 0.3111



5.6037, 0.1589, 0.0919



0.6236, 0.1658, 0.1169



# Previews

## White Background



This preview shows how the Yxy color 75.2445, 0.3600, 0.3820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

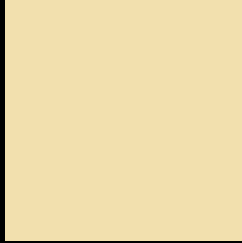
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2445, 0.3600, 0.3820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

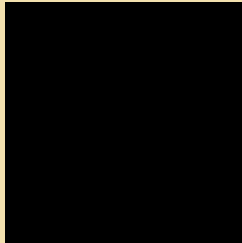
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.2445, 0.3600, 0.3820**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2445, 0.3600, 0.3820.



This preview shows how white text looks on a background with the Yxy color 75.2445, 0.3600, 0.3820.

# 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

75.2445, 0.3600, 0.3820

### Protanopia

75.4317, 0.3582, 0.3833

### Deuteranopia

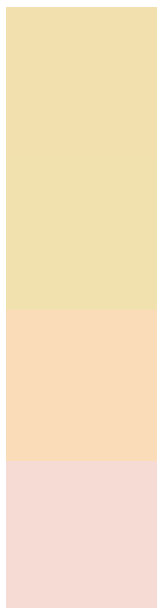
75.0769, 0.3608, 0.3588



## Tritanopia

75.1347, 0.3251, 0.3119

# Trichromacy



## Original Color

75.2445, 0.3600, 0.3820

## Protanomaly

75.6072, 0.3590, 0.3831

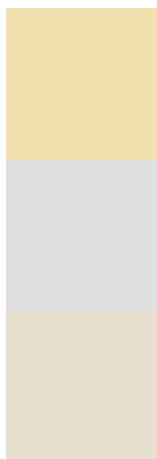
## Deuteranomaly

74.9711, 0.3601, 0.3665

## Tritanomaly

75.0093, 0.3373, 0.3363

# Monochromacy



## Original Color

75.2445, 0.3600, 0.3820

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

74.7565, 0.3297, 0.3484

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2445, 0.3600, 0.3820 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(242, 224, 174)` looks like.

```
.text, #text, p{  
    color:rgb(242, 224, 174)  
}
```

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(242, 224, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 224, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2445, 0.3600, 0.3820 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(242, 224, 174) }
```

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

```
.border{ border-color:rgb(242, 224, 174) }
```

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

Here you see how a box with a 4 pixel rgb(242, 224, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 224, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 224, 174);  
box-shadow:4px 4px 4px 4px rgb(242, 224,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2445, 0.3600, 0.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 224, 174) }
```

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

```
.background{ background-color: rgb(242,  
224, 174) }
```

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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