

# Converting Colors

$Yxy(70.6428, 0.3462, 0.3643)$

Have a look what the booklet for  
Yxy(70.6428, 0.3462, 0.3643)  
contains.

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# **Color**

**Yxy(70.8014, 0.3460, 0.3651)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8DAB9
RGB	232, 218, 185
RGB Percent	91%, 85%, 73%
CMY	0.0903, 0.1450, 0.2745
CMYK	0.00, 0.06, 0.20, 0.09
HSL	42°, 50%, 82%
HSV	42°, 20%, 91%
XYZ	67.0975, 70.8014, 56.0244
YIQ	218.4240, 18.9370, -7.2950

# Conversions

## Conversions Part 2

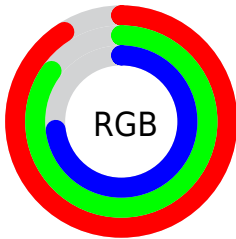
Format	Color
RYB	205, 232, 185
Decimal	15260345
CIELab	87.39, -0.44, 17.99
CIELCh	87, 17.997, 91.387
Yxy	70.8014, 0.3460, 0.3651
Android (android.graphics.Color)	4293450425 (0xFFE8DAB9)
YUV	218.4240, -16.4780, 11.9062
Hunter-Lab	84.1436, -4.9124, 19.4240

# Details

The Yxy color **70.8014, 0.3460, 0.3651** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56.9566, 0.2800, 0.2901**, and the grayscale version is **70.5237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **37.0904, 0.3538, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **66.4050, 0.3646, 0.3837**, and if you desaturate by 10%, it is **75.5124, 0.3288, 0.3469**.

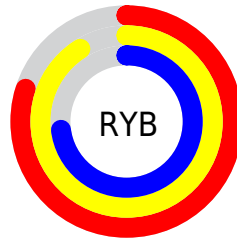
# Distribution



Red (91%)

Green (85%)

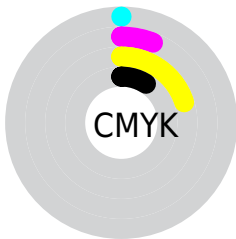
Blue (73%)



Red (80%)

Yellow (91%)

Blue (73%)

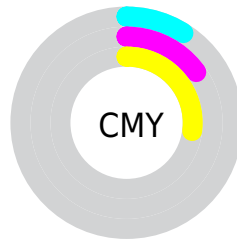


Cyan (0%)

Magenta (6%)

Yellow (20%)

Black (9%)



Cyan (9%)

Magenta (15%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8014, 0.3460, 0.3651 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 70.8014, 0.3460, 0.3651 by changing the saturation by 10% instead.




 70.8014, 0.3460,  
0.3651

 70.8014, 0.3460,  
0.3651


463.3589, 0.3306,  
0.3483

 52.1801, 0.3495,  
0.3689


 120.3509, 0.3406,  
0.3593

 37.1487, 0.3539,  
0.3737


152.0479, 0.3386,  
0.3570

 25.3226, 0.3594,  
0.3797


188.8723, 0.3368,  
0.3551

 16.3176, 0.3665,  
0.3875

231.2085, 0.3352,  
0.3534

 9.7492, 0.3762,  
0.3981

279.4409, 0.3338,  
0.3519

 5.2330, 0.3899,  
0.4131

333.9538, 0.3326,

 2.3846, 0.4107,

0.3506

0.4360

395.1317, 0.3315,  
0.3494

0.8179, 0.4839,  
0.5161

0.0000, 0.0000,  
0.0000

70.8014, 0.3460,  
0.3651

70.8014, 0.3460,  
0.3651

66.4050, 0.3646,  
0.3837

75.5124, 0.3288,  
0.3469

62.3042, 0.3842,  
0.4019

80.5374, 0.3131,  
0.3294

58.4920, 0.4043,  
0.4191

85.8881, 0.2989,  
0.3130

54.9572, 0.4243,  
0.4340

90.0175, 0.2987,  
0.3195

■ 51.6879, 0.4431,  
0.4456

■ 94.2753, 0.2987,  
0.3264

■ 48.6702, 0.4599,  
0.4530

■ 95.8897, 0.2987,  
0.3290

■ 45.8883, 0.4739,  
0.4553

■ 43.3776, 0.4847,  
0.4533

# Harmonies

## Analogous

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



70.8014, 0.3556, 0.3532



70.8014, 0.3460, 0.3651



70.8014, 0.3275, 0.3673

# Triad

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



70.8014, 0.3460, 0.3651



70.8014, 0.2737, 0.3200



70.8014, 0.3188, 0.3021

# Complementary

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



70.8014, 0.3460, 0.3651



56.9566, 0.2800, 0.2901

# Split Complementary

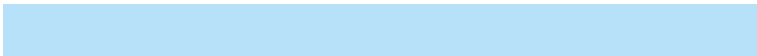
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.8014, 0.2969, 0.2935



70.8014, 0.3460, 0.3651



70.8014, 0.2715, 0.3029

# Square

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



70.8014, 0.3460, 0.3651



70.8014, 0.2860, 0.3405



70.8014, 0.2799, 0.2936



70.8014, 0.3397, 0.3173



# Rectangle

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



70.8014, 0.3460, 0.3651



70.8014, 0.3129, 0.3624



70.8014, 0.2799, 0.2936



70.8014, 0.3113, 0.2984

# Sweetspot

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



70.8046, 0.3460, 0.3651



96.1893, 0.3220, 0.3394



55.9727, 0.3412, 0.3134



20.5016, 0.3230, 0.3406



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

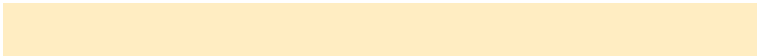


# Same Dimension

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



70.8046, 0.3460, 0.3651



85.6160, 0.3530, 0.3723



76.8148, 0.3364, 0.3805



16.0566, 0.3275, 0.3455



24.3194, 0.4834, 0.4544



1.9570, 0.4718, 0.4636



# Inverse Universe

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



56.9566, 0.2800, 0.2901



65.7349, 0.2732, 0.2816



52.0404, 0.2859, 0.2742



14.5811, 0.2981, 0.3120



5.7803, 0.1610, 0.0994

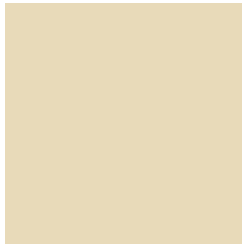


0.5847, 0.1690, 0.1282



# Previews

## White Background



This preview shows how the Yxy color 70.8014, 0.3460, 0.3651 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

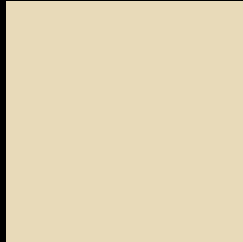
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.8014, 0.3460, 0.3651 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

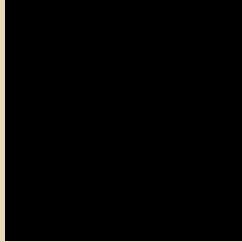
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

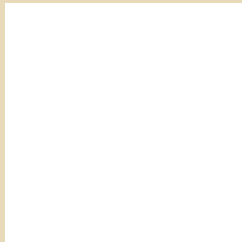
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.8014, 0.3460, 0.3651**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.8014, 0.3460, 0.3651.

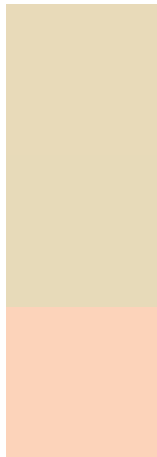


This preview shows how white text looks on a background with the Yxy color 70.8014, 0.3460, 0.3651.

# 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

70.8014, 0.3460, 0.3651

### Protanopia

70.6345, 0.3453, 0.3652

### Deuteranopia

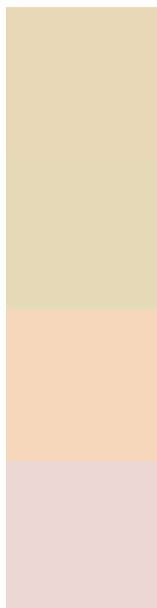
70.8291, 0.3625, 0.3551



## Tritanopia

70.8655, 0.3209, 0.3123

# Trichromacy



## Original Color

70.8014, 0.3460, 0.3651

## Protanomaly

70.6345, 0.3453, 0.3652

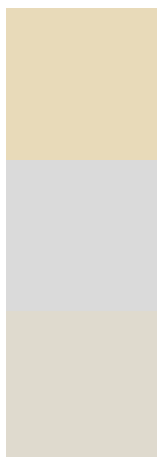
## Deuteranomaly

71.0508, 0.3563, 0.3587

## Tritanomaly

70.6795, 0.3304, 0.3312

# Monochromacy



## Original Color

70.8014, 0.3460, 0.3651

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.2870, 0.3245, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.8014, 0.3460, 0.3651 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(232, 218, 185)` looks like.

```
.text, #text, p{  
    color:rgb(232, 218, 185)  
}
```

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(232, 218, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 218, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 70.8014, 0.3460, 0.3651 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(232, 218, 185) }
```

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

```
.border{ border-color:rgb(232, 218, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 218, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 218, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 218, 185);  
box-shadow:4px 4px 4px 4px rgb(232, 218,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.8014, 0.3460, 0.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 218, 185) }
```

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

```
.background{ background-color: rgb(232,  
218, 185) }
```

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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