

# Converting Colors

$Yxy(71.8440, 0.3448, 0.3754)$

Have a look what the booklet for  
Yxy(71.8440, 0.3448, 0.3754)  
contains.

<b>Yxy(71.8687, 0.3449, 0.3753)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(71.8687, 0.3449, 0.3753)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3DEB4
RGB	227, 222, 180
RGB Percent	89%, 87%, 71%
CMY	0.1097, 0.1294, 0.2940
CMYK	0.00, 0.02, 0.21, 0.11
HSL	54°, 46%, 80%
HSV	54°, 21%, 89%
XYZ	66.0472, 71.8687, 53.5808
YIQ	218.7070, 16.4620, -12.0020

# Conversions

## Conversions Part 2

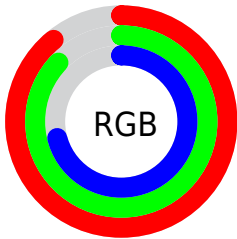
Format	Color
R <sub>Y</sub> B	186, 227, 180
Decimal	14933684
CIE Lab	87.91, -5.00, 21.25
CIE LCh	88, 21.828, 103.239
Yxy	71.8687, 0.3449, 0.3753
Android (android.graphics.Color)	4293123764 (0xFFE3DEB4)
YUV	218.7070, -19.0826, 7.2730
Hunter-Lab	84.7754, -9.2904, 21.8696

# Details

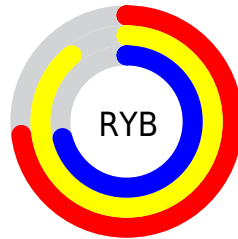
The Yxy color **71.8687, 0.3449, 0.3753** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.9764, 0.2785, 0.2780**, and the grayscale version is **70.7565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **37.8277, 0.3521, 0.3866** is the 20% darker color. If you saturate the color by 10%, you get **69.7376, 0.3612, 0.3981**, and if you desaturate by 10%, it is **74.1764, 0.3290, 0.3526**.

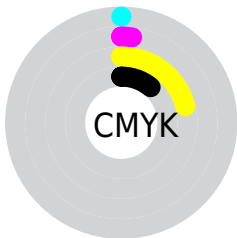
# Distribution



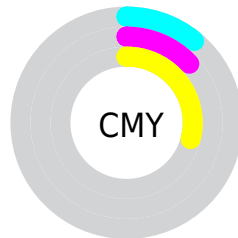
- Red (89%)
- Green (87%)
- Blue (71%)



- Red (73%)
- Yellow (89%)
- Blue (71%)



- Cyan (0%)
- Magenta (2%)
- Yellow (21%)
- Black (11%)



- Cyan (11%)
- Magenta (13%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8687, 0.3449, 0.3753 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 71.8687, 0.3449, 0.3753 by changing the saturation by 10% instead.





 71.8687, 0.3449,  
0.3753

 71.8687, 0.3449,  
0.3753


467.0845, 0.3301,  
0.3536

 53.0514, 0.3482,  
0.3803


 121.8698, 0.3398,  
0.3678

 37.8438, 0.3523,  
0.3864


153.8225, 0.3378,  
0.3648

 25.8615, 0.3574,  
0.3943


190.9224, 0.3361,  
0.3623

 16.7201, 0.3639,  
0.4045

233.5539, 0.3346,  
0.3601

 10.0351, 0.3725,  
0.4184

282.1015, 0.3333,  
0.3582

 5.4222, 0.3843,  
0.4381

336.9495, 0.3321,

 2.4971, 0.4028,

0.3565

0.4704

398.4824, 0.3311,  
0.3550

0.8752, 0.4478,  
0.5522

0.0000, 0.0000,  
0.0000

71.8687, 0.3449,  
0.3753

71.8687, 0.3449,  
0.3753

69.7376, 0.3612,  
0.3981

74.1764, 0.3290,  
0.3526

67.7661, 0.3774,  
0.4201

76.6581, 0.3138,  
0.3305

65.9492, 0.3930,  
0.4405

79.3235, 0.2995,  
0.3095

64.2783, 0.4071,  
0.4582

81.1166, 0.2954,  
0.3052

62.7434, 0.4192,  
0.4723

82.4940, 0.2955,  
0.3077

61.3332, 0.4288,  
0.4821

83.8904, 0.2955,  
0.3103

60.0343, 0.4356,  
0.4875

85.3060, 0.2956,  
0.3128

58.9060, 0.4398,  
0.4890

86.7408, 0.2956,  
0.3153

88.1948, 0.2956,  
0.3178

# Harmonies

## Analogous

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



71.8687, 0.3615, 0.3648



71.8687, 0.3449, 0.3753



71.8687, 0.3200, 0.3728

# Triad

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



71.8687, 0.3449, 0.3753



71.8687, 0.2634, 0.3089



71.8687, 0.3305, 0.3033

# Complementary

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



71.8687, 0.3449, 0.3753



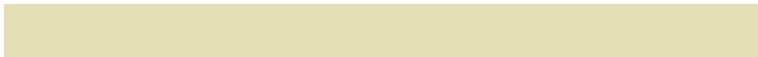
49.9764, 0.2785, 0.2780

# Split Complementary

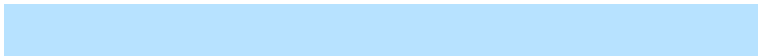
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.8687, 0.3037, 0.2895



71.8687, 0.3449, 0.3753



71.8687, 0.2658, 0.2918

# Square

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



71.8687, 0.3449, 0.3753



71.8687, 0.2735, 0.3329



71.8687, 0.2802, 0.2852



71.8687, 0.3532, 0.3234



# Rectangle

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



71.8687, 0.3449, 0.3753



71.8687, 0.3023, 0.3635



71.8687, 0.2802, 0.2852



71.8687, 0.3216, 0.2978

# Sweetspot

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



71.8719, 0.3449, 0.3753



98.0116, 0.3218, 0.3422



52.5111, 0.3494, 0.3228



20.9333, 0.3228, 0.3436



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.



71.8719, 0.3449, 0.3753



92.2701, 0.3521, 0.3855



71.8095, 0.3306, 0.3828



16.5393, 0.3270, 0.3498



34.4471, 0.4394, 0.4893



2.6216, 0.4361, 0.4919



# Inverse Universe

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



49.9764, 0.2785, 0.2780



58.7550, 0.2702, 0.2654



50.2100, 0.2919, 0.2740



14.1345, 0.2980, 0.3073



3.7047, 0.1522, 0.0677



0.3577, 0.1571, 0.0856



# Previews

## White Background



This preview shows how the Yxy color 71.8687, 0.3449, 0.3753 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

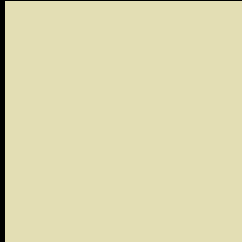
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.8687, 0.3449, 0.3753 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

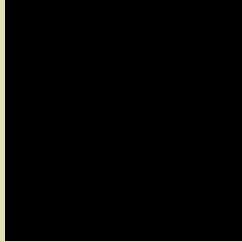
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

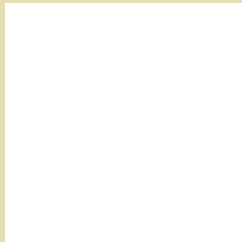
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.8687, 0.3449, 0.3753**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.8687, 0.3449, 0.3753.



This preview shows how white text looks on a background with the Yxy color 71.8687, 0.3449, 0.3753.

# 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

71.8687, 0.3449, 0.3753

### Protanopia

71.9335, 0.3514, 0.3736

### Deuteranopia

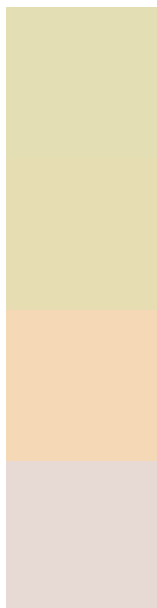
71.7244, 0.3676, 0.3601



## Tritanopia

71.9195, 0.3150, 0.3112

# Trichromacy



## Original Color

71.8687, 0.3449, 0.3753

## Protanomaly

71.9565, 0.3488, 0.3749

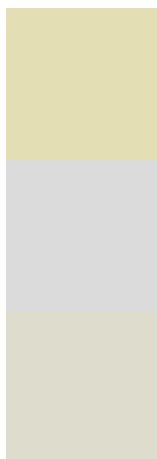
## Deuteranomaly

71.8604, 0.3594, 0.3661

## Tritanomaly

71.9358, 0.3256, 0.3344

# Monochromacy



## Original Color

71.8687, 0.3449, 0.3753

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.1238, 0.3242, 0.3455

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.8687, 0.3449, 0.3753 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(227, 222, 180)` looks like.

```
.text, #text, p{  
    color:rgb(227, 222, 180)  
}
```

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(227, 222, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 222, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 71.8687, 0.3449, 0.3753 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(227, 222, 180) }
```

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

```
.border{ border-color:rgb(227, 222, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 222, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 222, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 222, 180);  
box-shadow:4px 4px 4px 4px rgb(227, 222,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.8687, 0.3449, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 222, 180) }
```

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

```
.background{ background-color: rgb(227,  
222, 180) }
```

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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