

# Converting Colors

$Yxy(62.0135, 0.3581, 0.3692)$

Have a look what the booklet for  
Yxy(62.0135, 0.3581, 0.3692)  
contains.

<b>Yxy(61.8699, 0.3582, 0.3687)</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(61.8699, 0.3582, 0.3687)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3CBA8
RGB	227, 203, 168
RGB Percent	89%, 80%, 66%
CMY	0.1097, 0.2039, 0.3411
CMYK	0.00, 0.11, 0.26, 0.11
HSL	36°, 51%, 77%
HSV	36°, 26%, 89%
XYZ	60.1079, 61.8699, 45.8277
YIQ	206.1860, 25.5390, -5.7970

# Conversions

## Conversions Part 2

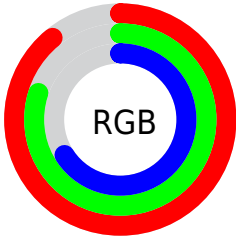
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 227, 168
Decimal	14928808
CIE Lab	82.84, 3.12, 20.54
CIE LCh	83, 20.774, 81.355
Yxy	61.8699, 0.3582, 0.3687
Android (android.graphics.Color)	4293118888 (0xFFE3CBA8)
YUV	206.1860, -18.8257, 18.2539
Hunter-Lab	78.6574, -1.2455, 20.5164

# Details

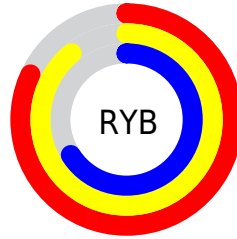
The Yxy color **61.8699, 0.3582, 0.3687** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.5902, 0.2707, 0.2858**, and the grayscale version is **61.9609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **31.4138, 0.3695, 0.3781** is the 20% darker color. If you saturate the color by 10%, you get **56.8628, 0.3791, 0.3846**, and if you desaturate by 10%, it is **67.2906, 0.3391, 0.3529**.

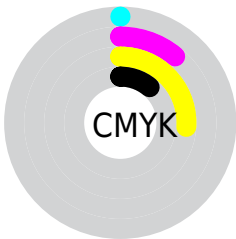
# Distribution



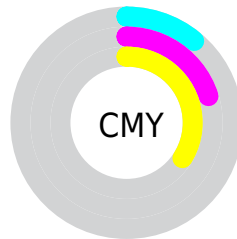
- Red (89%)
- Green (80%)
- Blue (66%)



- Red (82%)
- Yellow (89%)
- Blue (66%)



- Cyan (0%)
- Magenta (11%)
- Yellow (26%)
- Black (11%)




- Cyan (11%)
- Magenta (20%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8699, 0.3582, 0.3687 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 61.8699, 0.3582, 0.3687 by changing the saturation by 10% instead.




 61.8699, 0.3582,  
0.3687


 61.8699, 0.3582,  
0.3687


431.4564, 0.3365,  
0.3500

 44.9276, 0.3633,  
0.3730


 107.5375, 0.3506,  
0.3622

 31.4004, 0.3696,  
0.3784

 137.0315, 0.3476,  
0.3596

 20.9039, 0.3777,  
0.3851


171.4783, 0.3451,  
0.3575

 13.0538, 0.3884,  
0.3939

211.2621, 0.3429,  
0.3556

 7.4656, 0.4031,  
0.4058

256.7675, 0.3410,  
0.3539

 3.7549, 0.4243,  
0.4224

308.3787, 0.3394,

 1.5374, 0.4883,

0.3525

0.4769

366.4802, 0.3379,  
0.3512

0.3149, 0.5439,  
0.4561

0.0000, 0.0000,  
0.0000

61.8699, 0.3582,  
0.3687

61.8699, 0.3582,  
0.3687

56.8628, 0.3791,  
0.3846

67.2906, 0.3391,  
0.3529

52.2488, 0.4017,  
0.3999

73.1279, 0.3220,  
0.3377

48.0176, 0.4252,  
0.4137

79.3957, 0.3068,  
0.3233

44.1552, 0.4490,  
0.4248

85.8555, 0.2956,  
0.3137

■ 40.6464, 0.4717,  
0.4320

■ 91.4358, 0.2957,  
0.3231

■ 37.4737, 0.4921,  
0.4343

■ 95.0740, 0.2958,  
0.3290

■ 34.6170, 0.5091,  
0.4312

■ 33.5486, 0.5153,  
0.4291

# Harmonies

## Analogous

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



61.8699, 0.3654, 0.3513



61.8699, 0.3582, 0.3687



61.8699, 0.3387, 0.3760

# Triad

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



61.8699, 0.3582, 0.3687



61.8699, 0.2696, 0.3260



61.8699, 0.3109, 0.2924

# Complementary

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



61.8699, 0.3582, 0.3687



51.5902, 0.2707, 0.2858

# 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.



61.8699, 0.2858, 0.2853



61.8699, 0.3582, 0.3687



61.8699, 0.2628, 0.3033

# Square

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



61.8699, 0.3582, 0.3687



61.8699, 0.2876, 0.3509



61.8699, 0.2686, 0.2889



61.8699, 0.3374, 0.3082



# Rectangle

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



61.8699, 0.3582, 0.3687



61.8699, 0.3217, 0.3734



61.8699, 0.2686, 0.2889



61.8699, 0.3020, 0.2889

# Sweetspot

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



61.8727, 0.3582, 0.3687



93.5699, 0.3254, 0.3408



48.1783, 0.3453, 0.3010



19.7777, 0.3279, 0.3431



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.



61.8727, 0.3582, 0.3687



77.0699, 0.3689, 0.3770



73.3222, 0.3482, 0.3946



15.7815, 0.3278, 0.3429



19.7968, 0.5135, 0.4305



1.6444, 0.4960, 0.4444



# Inverse Universe

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



51.5902, 0.2707, 0.2858



61.6212, 0.2618, 0.2756



42.4357, 0.2716, 0.2556



14.8458, 0.2981, 0.3147



7.9566, 0.1691, 0.1288

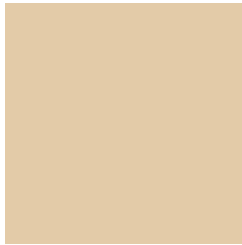


0.7667, 0.1771, 0.1577



# Previews

## White Background



This preview shows how the Yxy color 61.8699, 0.3582, 0.3687 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

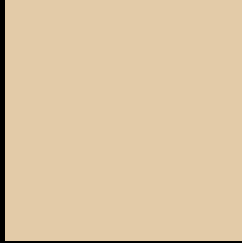
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.8699, 0.3582, 0.3687 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

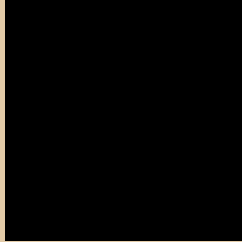
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.8699, 0.3582, 0.3687**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8699, 0.3582, 0.3687.



This preview shows how white text looks on a background with the Yxy color 61.8699, 0.3582, 0.3687.

# 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

61.8699, 0.3582, 0.3687

### Protanopia

61.9126, 0.3493, 0.3719

### Deuteranopia

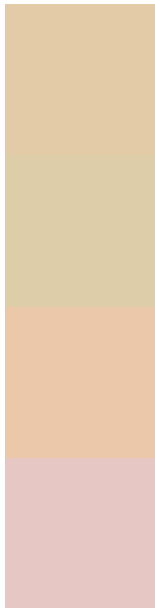
61.6035, 0.3689, 0.3610



## Tritanopia

61.8418, 0.3293, 0.3127

# Trichromacy



**Original Color**

61.8699, 0.3582, 0.3687

**Protanomaly**

61.8994, 0.3520, 0.3704

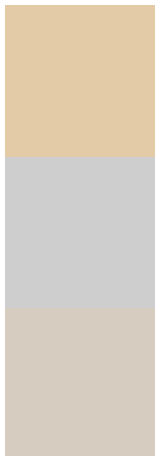
**Deuteranomaly**

61.8353, 0.3649, 0.3635

**Tritanomaly**

61.6554, 0.3398, 0.3324

# Monochromacy



**Original Color**

61.8699, 0.3582, 0.3687

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

61.7646, 0.3291, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8699, 0.3582, 0.3687 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, 203, 168)` looks like.

```
.text, #text, p{  
    color:rgb(227, 203, 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(227, 203, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 203, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8699, 0.3582, 0.3687 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, 203, 168) }
```

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

```
.border{ border-color:rgb(227, 203, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 203, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 203, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 203, 168); box-shadow:4px 4px 4px 4px rgb(227, 203, 168) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8699, 0.3582, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 203, 168) }
```

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

```
.background{ background-color: rgb(227,  
203, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor