

# Converting Colors

$Yxy(68.4683, 0.3589, 0.3784)$

Have a look what the booklet for  
Yxy(68.4683, 0.3589, 0.3784)  
contains.

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# Color

**Yxy(68.2813, 0.3593, 0.3785)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9D6A9
RGB	233, 214, 169
RGB Percent	91%, 84%, 66%
CMY	0.0862, 0.1608, 0.3372
CMYK	0.00, 0.08, 0.27, 0.09
HSL	42°, 59%, 79%
HSV	42°, 27%, 91%
XYZ	64.8176, 68.2813, 47.3008
YIQ	214.5510, 25.7690, -9.9670

# Conversions

## Conversions Part 2

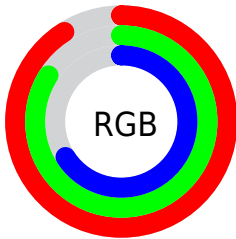
Format	Color
RYB	196, 233, 169
Decimal	15324841
CIELab	86.15, -0.18, 24.64
CIELCh	86, 24.644, 90.430
Yxy	68.2813, 0.3593, 0.3785
Android (android.graphics.Color)	4293514921 (0xFFE9D6A9)
YUV	214.5510, -22.4566, 16.1798
Hunter-Lab	82.6325, -4.5900, 23.9037

# Details

The Yxy color **68.2813, 0.3593, 0.3785** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.2983, 0.2672, 0.2740**, and the grayscale version is **67.7807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **35.4277, 0.3705, 0.3891** is the 20% darker color. If you saturate the color by 10%, you get **64.0549, 0.3787, 0.3969**, and if you desaturate by 10%, it is **72.8189, 0.3411, 0.3600**.

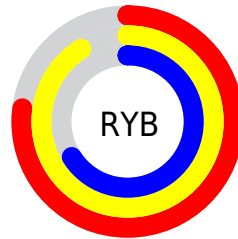
# Distribution



Red (91%)

Green (84%)

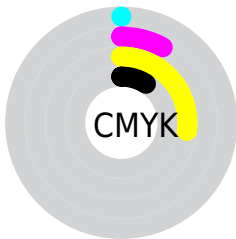
Blue (66%)



Red (77%)

Yellow (91%)

Blue (66%)

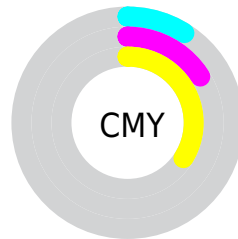


Cyan (0%)

Magenta (8%)

Yellow (27%)

Black (9%)



Cyan (9%)

Magenta (16%)

Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2813, 0.3593, 0.3785 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 68.2813, 0.3593, 0.3785 by changing the saturation by 10% instead.




 68.2813, 0.3593,  
0.3785

 68.2813, 0.3593,  
0.3785


454.4920, 0.3376,  
0.3555

 50.1266, 0.3642,  
0.3838


 116.7545, 0.3518,  
0.3705

 35.5140, 0.3703,  
0.3902


147.8418, 0.3489,  
0.3674

 24.0591, 0.3780,  
0.3984


184.0087, 0.3463,  
0.3647

 15.3775, 0.3878,  
0.4089

225.6397, 0.3441,  
0.3624

 9.0847, 0.4010,  
0.4229

273.1191, 0.3422,  
0.3603

 4.7965, 0.4189,  
0.4421

326.8314, 0.3405,

 2.1284, 0.4614,

0.3585

0.4874

387.1609, 0.3390,  
0.3569

0.6805, 0.4856,  
0.5144

0.0000, 0.0000,  
0.0000

68.2813, 0.3593,  
0.3785

68.2813, 0.3593,  
0.3785

64.0549, 0.3787,  
0.3969

72.8189, 0.3411,  
0.3600

60.1203, 0.3987,  
0.4145

77.6678, 0.3243,  
0.3419

56.4696, 0.4188,  
0.4301

82.8401, 0.3090,  
0.3247

53.0910, 0.4381,  
0.4428

87.8708, 0.2993,  
0.3157

■ 49.9710, 0.4556,  
0.4514

■ 92.0643, 0.2993,  
0.3226

■ 47.0943, 0.4704,  
0.4552

■ 96.0673, 0.2994,  
0.3290

■ 44.4412, 0.4821,  
0.4540

■ 43.7986, 0.4848,  
0.4533

# Harmonies

## Analogous

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



68.2813, 0.3725, 0.3611



68.2813, 0.3593, 0.3785



68.2813, 0.3338, 0.3828

# Triad

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



68.2813, 0.3593, 0.3785



68.2813, 0.2596, 0.3168



68.2813, 0.3199, 0.2918

# Complementary

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



68.2813, 0.3593, 0.3785



50.2983, 0.2672, 0.2740

# 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.



68.2813, 0.2899, 0.2804



68.2813, 0.3593, 0.3785



68.2813, 0.2562, 0.2932

# Square

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



68.2813, 0.3593, 0.3785



68.2813, 0.2765, 0.3458



68.2813, 0.2670, 0.2805



68.2813, 0.3492, 0.3121



# Rectangle

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



68.2813, 0.3593, 0.3785



68.2813, 0.3136, 0.3766



68.2813, 0.2670, 0.2805



68.2813, 0.3095, 0.2869

# Sweetspot

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



68.2844, 0.3593, 0.3785



94.9481, 0.3252, 0.3429



49.3448, 0.3546, 0.3075



20.1256, 0.3277, 0.3456



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.



68.2844, 0.3593, 0.3785



80.7849, 0.3702, 0.3890



76.4046, 0.3448, 0.3998



16.8272, 0.3275, 0.3455



25.0731, 0.4835, 0.4543



2.1350, 0.4725, 0.4630



# Inverse Universe

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



50.2983, 0.2672, 0.2740



55.2759, 0.2569, 0.2605



44.1838, 0.2744, 0.2519



15.2785, 0.2980, 0.3120



5.9580, 0.1609, 0.0993



0.6301, 0.1685, 0.1265



# Previews

## White Background



This preview shows how the Yxy color 68.2813, 0.3593, 0.3785 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 68.2813, 0.3593, 0.3785 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

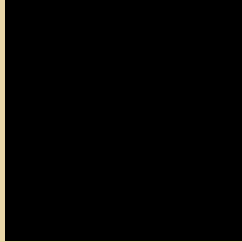
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

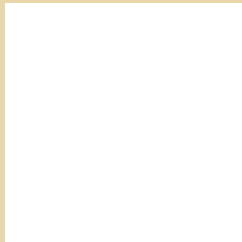
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.2813, 0.3593, 0.3785**

## Background



This preview shows how black text looks on a background with the Yxy color 68.2813, 0.3593, 0.3785.



This preview shows how white text looks on a background with the Yxy color 68.2813, 0.3593, 0.3785.

# 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

68.2813, 0.3593, 0.3785

### Protanopia

68.1612, 0.3551, 0.3790

### Deuteranopia

68.2234, 0.3759, 0.3679



## Tritanopia

68.3041, 0.3256, 0.3122

# Trichromacy



**Original Color**

68.2813, 0.3593, 0.3785

**Protanomaly**

68.3262, 0.3559, 0.3789

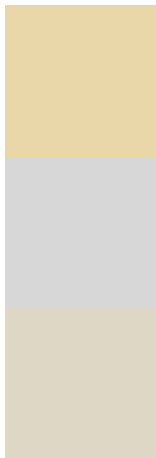
**Deuteranomaly**

68.4079, 0.3693, 0.3717

**Tritanomaly**

68.4095, 0.3383, 0.3366

# Monochromacy



**Original Color**

68.2813, 0.3593, 0.3785

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

68.2077, 0.3297, 0.3480

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.2813, 0.3593, 0.3785 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(233, 214, 169)` looks like.

```
.text, #text, p{  
    color:rgb(233, 214, 169)  
}
```

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(233, 214, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 214, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 68.2813, 0.3593, 0.3785 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(233, 214, 169) }
```

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

```
.border{ border-color:rgb(233, 214, 169) }
```

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

Here you see how a box with a 4 pixel rgb(233, 214, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 214, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 214, 169);  
box-shadow:4px 4px 4px 4px rgb(233, 214,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.2813, 0.3593, 0.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 214, 169) }
```

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

```
.background{ background-color: rgb(233,  
214, 169) }
```

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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