

# Converting Colors

$Yxy(63.8738, 0.3598, 0.3628)$

Have a look what the booklet for  
Yxy(63.8738, 0.3598, 0.3628)  
contains.

<b>Yxy(63.9039, 0.3599, 0.3622)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(63.9039, 0.3599, 0.3622)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBCCAE
RGB	235, 204, 174
RGB Percent	92%, 80%, 68%
CMY	0.0784, 0.2000, 0.3177
CMYK	0.00, 0.13, 0.26, 0.08
HSL	29°, 60%, 80%
HSV	29°, 26%, 92%
XYZ	63.4981, 63.9039, 49.0306
YIQ	209.8490, 28.1060, -2.7580

# Conversions

## Conversions Part 2

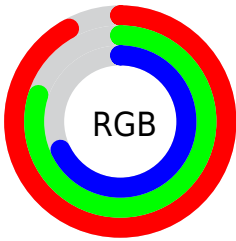
Format	Color
RYB	235, 233, 174
Decimal	15453358
CIELab	83.92, 6.43, 18.97
CIELCh	84, 20.030, 71.290
Yxy	63.9039, 0.3599, 0.3622
Android (android.graphics.Color)	4293643438 (0xFFEBCCA8)
YUV	209.8490, -17.6736, 22.0574
Hunter-Lab	79.9399, 1.8918, 19.5928

# Details

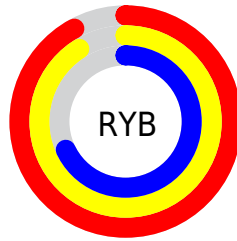
The Yxy color  $63.9039, 0.3599, 0.3622$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $58.6689, 0.2714, 0.2933$ , and the grayscale version is  $64.4516, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.4932, 0.3274, 0.3532$ , and  $32.7769, 0.3727, 0.3708$  is the 20% darker color. If you saturate the color by 10%, you get  $57.6057, 0.3826, 0.3756$ , and if you desaturate by 10%, it is  $70.8039, 0.3398, 0.3489$ .

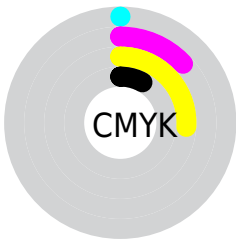
# Distribution



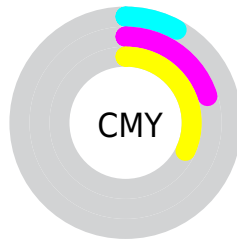
- Red (92%)
- Green (80%)
- Blue (68%)



- Red (92%)
- Yellow (91%)
- Blue (68%)



- Cyan (0%)
- Magenta (13%)
- Yellow (26%)
- Black (8%)




- Cyan (8%)
- Magenta (20%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9039, 0.3599, 0.3622 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 63.9039, 0.3599, 0.3622 by changing the saturation by 10% instead.




 63.9039, 0.3599,  
0.3622

 63.9039, 0.3599,  
0.3622


438.8425, 0.3375,  
0.3468

 46.5728, 0.3652,  
0.3657


 110.4725, 0.3520,  
0.3569

 32.6981, 0.3717,  
0.3700


140.4789, 0.3490,  
0.3548

 21.8953, 0.3801,  
0.3754

175.4791, 0.3464,  
0.3530

 13.7800, 0.3912,  
0.3823

215.8577, 0.3441,  
0.3515

 7.9678, 0.4065,  
0.3915

261.9989, 0.3421,  
0.3501

 4.0743, 0.4287,  
0.4041

314.2872, 0.3404,

 1.7152, 0.4772,

0.3489

0.4340

373.1069, 0.3388,  
0.3478

0.4335, 0.5675,  
0.4325

0.0000, 0.0000,  
0.0000

63.9039, 0.3599,  
0.3622

63.9039, 0.3599,  
0.3622

57.6057, 0.3826,  
0.3756

70.8039, 0.3398,  
0.3489

51.8827, 0.4077,  
0.3885

78.3142, 0.3221,  
0.3362

46.7184, 0.4347,  
0.4000

86.4541, 0.3068,  
0.3243

42.0924, 0.4628,  
0.4089

94.3729, 0.3006,  
0.3258

■ 37.9824, 0.4905,  
0.4140

■ 96.4054, 0.3005,  
0.3290

■ 34.3638, 0.5160,  
0.4140

■ 31.2083, 0.5376,  
0.4084

■ 30.0524, 0.5454,  
0.4051

# Harmonies

## Analogous

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



63.9039, 0.3620, 0.3436



63.9039, 0.3599, 0.3622



63.9039, 0.3448, 0.3729

# Triad

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



63.9039, 0.3599, 0.3622



63.9039, 0.2762, 0.3343



63.9039, 0.3025, 0.2906

# Complementary

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



63.9039, 0.3599, 0.3622



58.6689, 0.2714, 0.2933

# 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.



63.9039, 0.2805, 0.2872



63.9039, 0.3599, 0.3622



63.9039, 0.2658, 0.3112

# Square

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



63.9039, 0.3599, 0.3622



63.9039, 0.2964, 0.3569



63.9039, 0.2674, 0.2943



63.9039, 0.3281, 0.3033



# Rectangle

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



63.9039, 0.3599, 0.3622



63.9039, 0.3297, 0.3733



63.9039, 0.2674, 0.2943



63.9039, 0.2944, 0.2884

# Sweetspot

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



63.9068, 0.3599, 0.3622



92.3161, 0.3256, 0.3388



52.3700, 0.3401, 0.2944



19.4618, 0.3282, 0.3407



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.



63.9068, 0.3599, 0.3622



72.8995, 0.3713, 0.3692



79.5681, 0.3522, 0.3928



16.2770, 0.3281, 0.3406



16.9769, 0.5429, 0.4071



1.5253, 0.5213, 0.4243



# Inverse Universe

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



58.6689, 0.2714, 0.2933



65.6250, 0.2629, 0.2850



45.6636, 0.2679, 0.2560



15.8148, 0.2981, 0.3171



10.9987, 0.1780, 0.1608



1.0562, 0.1849, 0.1856



# Previews

## White Background



This preview shows how the Yxy color 63.9039, 0.3599, 0.3622 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 63.9039, 0.3599, 0.3622 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

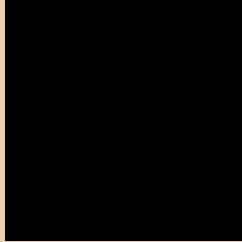
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.9039, 0.3599, 0.3622**

## Background



This preview shows how black text looks on a background with the Yxy color 63.9039, 0.3599, 0.3622.



This preview shows how white text looks on a background with the Yxy color 63.9039, 0.3599, 0.3622.

# 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

63.9039, 0.3599, 0.3622

### Protanopia

64.1077, 0.3458, 0.3667

### Deuteranopia

63.7457, 0.3657, 0.3573



## Tritanopia

63.7685, 0.3340, 0.3120

# Trichromacy



## Original Color

63.9039, 0.3599, 0.3622

## Protanomaly

63.8895, 0.3510, 0.3652

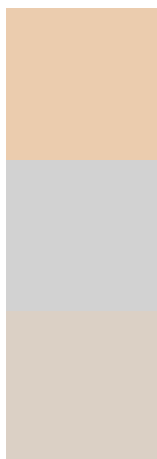
## Deuteranomaly

63.6869, 0.3629, 0.3586

## Tritanomaly

63.6092, 0.3437, 0.3302

# Monochromacy



## Original Color

63.9039, 0.3599, 0.3622

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

64.2030, 0.3290, 0.3415

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.9039, 0.3599, 0.3622 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(235, 204, 174)` looks like.

```
.text, #text, p{  
    color:rgb(235, 204, 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(235, 204, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 204, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 63.9039, 0.3599, 0.3622 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(235, 204, 174) }
```

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

```
.border{ border-color:rgb(235, 204, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 204, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 204, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 204, 174);  
box-shadow:4px 4px 4px 4px rgb(235, 204,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.9039, 0.3599, 0.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 204, 174) }
```

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

```
.background{ background-color: rgb(235,  
204, 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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