

# Converting Colors

$Y_{xy}(49.1120, 0.3737, 0.3292)$

Have a look what the booklet for  
Yxy(49.1120, 0.3737, 0.3292)  
contains.

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# Color

**Yxy(49.2762, 0.3740, 0.3303)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBAAA9
RGB	235, 170, 169
RGB Percent	92%, 67%, 66%
CMY	0.0785, 0.3333, 0.3372
CMYK	0.00, 0.28, 0.28, 0.08
HSL	1°, 62%, 79%
HSV	1°, 28%, 92%
XYZ	55.7956, 49.2762, 44.1144
YIQ	189.3210, 39.0610, 13.4690

# Conversions

## Conversions Part 2

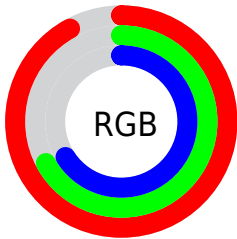
Format	Color
R <sub>Y</sub> B	235, 170, 169
Decimal	15444649
CIE Lab	75.62, 23.73, 9.98
CIE LCh	76, 25.743, 22.808
Yxy	49.2762, 0.3740, 0.3303
Android (android.graphics.Color)	4293634729 (0xFFEBAAA9)
YUV	189.3210, -10.0183, 40.0605
Hunter-Lab	70.1970, 19.0348, 11.8779

# Details

The Yxy color **49.2762, 0.3740, 0.3303** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **73.2784, 0.2718, 0.3277**, and the grayscale version is **51.1256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0345, 0.3346, 0.3311**, and **23.4719, 0.3918, 0.3292** is the 20% darker color. If you saturate the color by 10%, you get **40.5458, 0.4065, 0.3308**, and if you desaturate by 10%, it is **59.6975, 0.3477, 0.3298**.

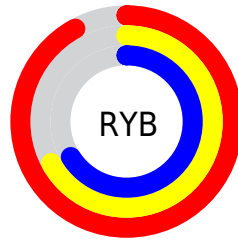
# Distribution



Red (92%)

Green (67%)

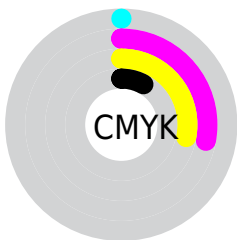
Blue (66%)



Red (92%)

Yellow (67%)

Blue (66%)

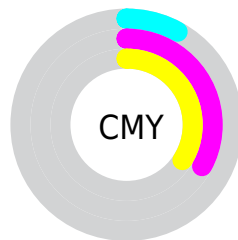


Cyan (0%)

Magenta (28%)

Yellow (28%)

Black (8%)



Cyan (8%)

Magenta (33%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2762, 0.3740, 0.3303 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 49.2762, 0.3740, 0.3303 by changing the saturation by 10% instead.





 49.2762, 0.3740,  
0.3303


 49.2762, 0.3740,  
0.3303


383.8286, 0.3434,  
0.3303

 34.8386, 0.3816,  
0.3301


 89.1015, 0.3629,  
0.3304

 23.5386, 0.3914,  
0.3298


 115.2581, 0.3587,  
0.3305

 14.9917, 0.4043,  
0.3291


146.0898, 0.3552,  
0.3304

 8.8136, 0.4223,  
0.3278

181.9809, 0.3521,  
0.3304

 4.6198, 0.4487,  
0.3253

223.3160, 0.3495,  
0.3304

 2.0259, 0.4912,  
0.3193

270.4794, 0.3472,

 0.6225, 0.6614,

0.3304

0.3386

323.8555, 0.3452,  
0.3303

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.2762, 0.3740,  
0.3303

49.2762, 0.3740,  
0.3303

40.5458, 0.4065,  
0.3308

59.6975, 0.3477,  
0.3298

33.4108, 0.4456,  
0.3313

71.8847, 0.3266,  
0.3293

27.7767, 0.4907,  
0.3316

85.9171, 0.3098,  
0.3289

23.5364, 0.5387,  
0.3318

96.4004, 0.3005,  
0.3290

■ 20.5687, 0.5836,  
0.3316

■ 18.7314, 0.6181,  
0.3311

■ 17.8438, 0.6368,  
0.3306

■ 17.7371, 0.6393,  
0.3306

# Harmonies

## Analogous

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



49.2762, 0.3472, 0.3027



49.2762, 0.3740, 0.3303



49.2762, 0.3833, 0.3591

# Triad

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



49.2762, 0.3740, 0.3303



49.2762, 0.3106, 0.3835



49.2762, 0.2552, 0.2752

# Complementary

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



49.2762, 0.3740, 0.3303



73.2784, 0.2718, 0.3277

# 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.



49.2762, 0.2469, 0.2930



49.2762, 0.3740, 0.3303



49.2762, 0.2776, 0.3570

# Square

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



49.2762, 0.3740, 0.3303



49.2762, 0.3454, 0.3924



49.2762, 0.2548, 0.3228



49.2762, 0.2783, 0.2716



# Rectangle

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



49.2762, 0.3740, 0.3303



49.2762, 0.3781, 0.3757



49.2762, 0.2548, 0.3228



49.2762, 0.2506, 0.2795

# Sweetspot

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



49.2785, 0.3740, 0.3303



86.5984, 0.3265, 0.3293



52.0402, 0.3160, 0.2592



18.0308, 0.3294, 0.3294



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.



49.2785, 0.3740, 0.3303



52.6996, 0.3930, 0.3306



62.7681, 0.3643, 0.3656



15.0903, 0.3293, 0.3294



9.8889, 0.6390, 0.3309



0.7894, 0.6359, 0.3333



# Inverse Universe

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



73.2784, 0.2718, 0.3277



86.2686, 0.2642, 0.3274



56.6770, 0.2679, 0.2893



17.0807, 0.2981, 0.3286



35.3092, 0.2234, 0.3242



2.7851, 0.2236, 0.3249



# Previews

## White Background



This preview shows how the Yxy color 49.2762, 0.3740, 0.3303 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

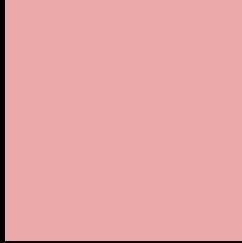
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.2762, 0.3740, 0.3303 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 49.2762, 0.3740, 0.3303**

## Background



This preview shows how black text looks on a background with the Yxy color 49.2762, 0.3740, 0.3303.



This preview shows how white text looks on a background with the Yxy color 49.2762, 0.3740, 0.3303.

# 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

49.2762, 0.3740, 0.3303

### Protanopia

49.5386, 0.3241, 0.3392

### Deuteranopia

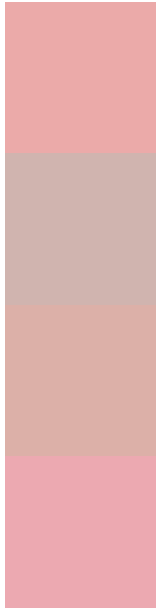
49.4296, 0.3520, 0.3449



## Tritanopia

49.1743, 0.3642, 0.3146

# Trichromacy



## Original Color

49.2762, 0.3740, 0.3303

## Protanomaly

49.1476, 0.3415, 0.3352

## Deuteranomaly

49.0935, 0.3594, 0.3386

## Tritanomaly

49.3831, 0.3677, 0.3202

# Monochromacy



## Original Color

49.2762, 0.3740, 0.3303

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

49.9551, 0.3335, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2762, 0.3740, 0.3303 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, 170, 169)` looks like.

```
.text, #text, p{  
    color:rgb(235, 170, 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(235, 170, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 170, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2762, 0.3740, 0.3303 is called "border". The border property can be set on classes, ids or directly on the HTML element.

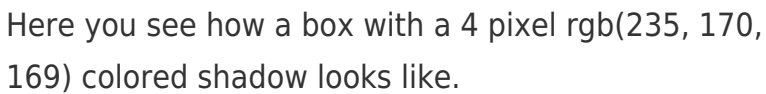
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 170, 169) }
```

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

```
.border{ border-color:rgb(235, 170, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(235, 170, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 170, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 170, 169); box-shadow:4px 4px 4px 4px rgb(235, 170, 169) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2762, 0.3740, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 170, 169) }
```

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

```
.background{ background-color: rgb(235,  
170, 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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