

# Converting Colors

$Yxy(48.2839, 0.3673, 0.3327)$

Have a look what the booklet for  
Yxy(48.2839, 0.3673, 0.3327)  
contains.

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# Color

**Yxy(48.2839, 0.3673, 0.3327)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3ABA8
RGB	227, 171, 168
RGB Percent	89%, 67%, 66%
CMY	0.1098, 0.3294, 0.3413
CMYK	0.00, 0.25, 0.26, 0.11
HSL	3°, 51%, 77%
HSV	3°, 26%, 89%
XYZ	53.3053, 48.2839, 43.5382
YIQ	187.4020, 34.3390, 10.9390

# Conversions

## Conversions Part 2

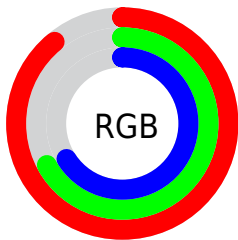
Format	Color
R <sub>Y</sub> B	227, 171, 168
Decimal	14920616
CIE Lab	75.00, 20.08, 9.56
CIE LCh	75, 22.235, 25.461
Yxy	48.2839, 0.3673, 0.3327
Android (android.graphics.Color)	4293110696 (0xFFE3ABA8)
YUV	187.4020, -9.5652, 34.7274
Hunter-Lab	69.4866, 15.3312, 11.4913

# Details

The Yxy color  $48.2839, 0.3673, 0.3327$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $67.1499, 0.2744, 0.3253$ , and the grayscale version is  $49.9735, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.5259, 0.3351, 0.3331$ , and  $22.8757, 0.3838, 0.3323$  is the 20% darker color. If you saturate the color by 10%, you get  $40.0309, 0.3977, 0.3342$ , and if you desaturate by 10%, it is  $58.0135, 0.3426, 0.3312$ .

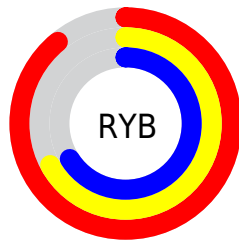
# Distribution



Red (89%)

Green (67%)

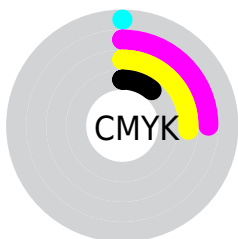
Blue (66%)



Red (89%)

Yellow (67%)

Blue (66%)

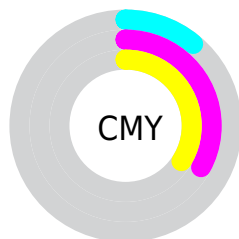


Cyan (0%)

Magenta (25%)

Yellow (26%)

Black (11%)



Cyan (11%)

Magenta (33%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2839, 0.3673, 0.3327 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 48.2839, 0.3673, 0.3327 by changing the saturation by 10% instead.





 48.2839, 0.3673,  
0.3327

 48.2839, 0.3673,  
0.3327


379.9163, 0.3399,  
0.3314

 34.0518, 0.3741,  
0.3329


 87.6270, 0.3573,  
0.3323

 22.9334, 0.3829,  
0.3330


 113.5067, 0.3536,  
0.3322

 14.5443, 0.3946,  
0.3330


144.0377, 0.3504,  
0.3320

 8.5002, 0.4109,  
0.3326

179.6044, 0.3477,  
0.3319

 4.4167, 0.4351,  
0.3315

220.5913, 0.3454,  
0.3317

 1.9093, 0.4743,  
0.3279

267.3826, 0.3433,

 0.5539, 0.6500,

0.3316

0.3500

320.3628, 0.3415,  
0.3315

0.0000, 0.0000,  
0.0000

48.2839, 0.3673,  
0.3327

48.2839, 0.3673,  
0.3327

40.0309, 0.3977,  
0.3342

58.0135, 0.3426,  
0.3312

33.1762, 0.4344,  
0.3356

69.2799, 0.3227,  
0.3298

27.6441, 0.4770,  
0.3367

82.1479, 0.3067,  
0.3285

23.3496, 0.5236,  
0.3371

95.0700, 0.2958,  
0.3290

20.1972, 0.5692,  
0.3366

■ 18.0780, 0.6072,  
0.3351

■ 16.8615, 0.6311,  
0.3327

■ 16.5862, 0.6372,  
0.3323

# Harmonies

## Analogous

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



48.2839, 0.3452, 0.3080



48.2839, 0.3673, 0.3327



48.2839, 0.3739, 0.3577

# Triad

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



48.2839, 0.3673, 0.3327



48.2839, 0.3084, 0.3745



48.2839, 0.2637, 0.2812

# Complementary

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



48.2839, 0.3673, 0.3327



67.1499, 0.2744, 0.3253

# 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.



48.2839, 0.2551, 0.2960



48.2839, 0.3673, 0.3327



48.2839, 0.2800, 0.3508

# Square

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



48.2839, 0.3673, 0.3327



48.2839, 0.3389, 0.3839



48.2839, 0.2609, 0.3213



48.2839, 0.2850, 0.2790



# Rectangle

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



48.2839, 0.3673, 0.3327



48.2839, 0.3685, 0.3716



48.2839, 0.2609, 0.3213



48.2839, 0.2593, 0.2848

# Sweetspot

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



48.2861, 0.3673, 0.3327



87.0263, 0.3265, 0.3301



49.7065, 0.3181, 0.2674



18.1373, 0.3293, 0.3303



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.



48.2861, 0.3673, 0.3327



57.0474, 0.3823, 0.3335



60.6645, 0.3589, 0.3660



14.4867, 0.3291, 0.3303



9.7242, 0.6362, 0.3331



0.7610, 0.6255, 0.3415



# Inverse Universe

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



67.1499, 0.2744, 0.3253



85.3884, 0.2676, 0.3244



52.6859, 0.2710, 0.2890



16.2021, 0.2982, 0.3277



31.7171, 0.2203, 0.3129



2.3831, 0.2209, 0.3154



# Previews

## White Background



This preview shows how the Yxy color 48.2839, 0.3673, 0.3327 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

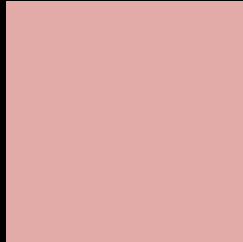
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.2839, 0.3673, 0.3327 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

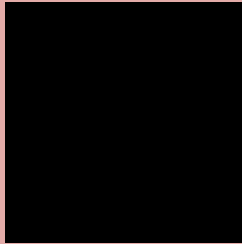
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.2839, 0.3673, 0.3327**

## Background



This preview shows how black text looks on a background with the Yxy color 48.2839, 0.3673, 0.3327.



This preview shows how white text looks on a background with the Yxy color 48.2839, 0.3673, 0.3327.

# 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

48.2839, 0.3673, 0.3327

### Protanopia

48.4525, 0.3259, 0.3405

### Deuteranopia

48.3324, 0.3507, 0.3426



## Tritanopia

48.4113, 0.3566, 0.3142

# Trichromacy



## Original Color

48.2839, 0.3673, 0.3327

## Protanomaly

48.0561, 0.3407, 0.3378

## Deuteranomaly

48.0489, 0.3569, 0.3388

## Tritanomaly

48.4178, 0.3601, 0.3211

# Monochromacy



## Original Color

48.2839, 0.3673, 0.3327

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

48.8996, 0.3318, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2839, 0.3673, 0.3327 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, 171, 168)` looks like.

```
.text, #text, p{  
    color:rgb(227, 171, 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, 171, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 171, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2839, 0.3673, 0.3327 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, 171, 168) }
```

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

```
.border{ border-color:rgb(227, 171, 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, 171, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 171, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 171, 168); box-shadow:4px 4px 4px 4px rgb(227, 171, 168) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2839, 0.3673, 0.3327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 171, 168) }
```

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

```
.background{ background-color: rgb(227,  
171, 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](#).

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