

# Converting Colors

$Yxy(48.6692, 0.3867, 0.3534)$

Have a look what the booklet for  
Yxy(48.6692, 0.3867, 0.3534)  
contains.

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# Color

**Yxy(48.7283, 0.3865, 0.3534)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7AC97
RGB	231, 172, 151
RGB Percent	91%, 67%, 59%
CMY	0.0941, 0.3255, 0.4079
CMYK	0.00, 0.26, 0.35, 0.09
HSL	16°, 63%, 75%
HSV	16°, 35%, 91%
XYZ	53.2923, 48.7283, 35.8637
YIQ	187.2470, 41.9050, 5.9770

# Conversions

## Conversions Part 2

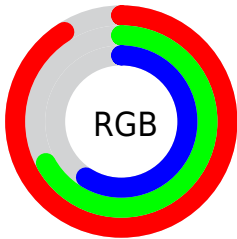
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 179, 151
Decimal	15182999
CIE Lab	75.28, 18.84, 19.26
CIE LCh	75, 26.944, 45.630
Yxy	48.7283, 0.3865, 0.3534
Android (android.graphics.Color)	4293373079 (0xFFE7AC97)
YUV	187.2470, -17.8698, 38.3714
Hunter-Lab	69.8057, 14.1137, 18.4028

# Details

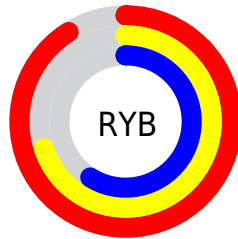
The Yxy color **48.7283, 0.3865, 0.3534** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **58.4252, 0.2604, 0.3029**, and the grayscale version is **49.9263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1546, 0.3473, 0.3523**, and **23.1124, 0.4080, 0.3578** is the 20% darker color. If you saturate the color by 10%, you get **41.9798, 0.4170, 0.3605**, and if you desaturate by 10%, it is **56.4591, 0.3605, 0.3461**.

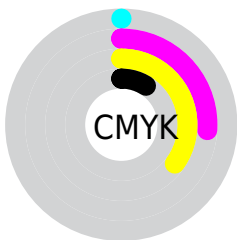
# Distribution



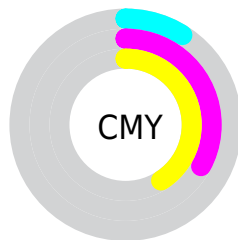
- Red (91%)
- Green (67%)
- Blue (59%)



- Red (91%)
- Yellow (70%)
- Blue (59%)



- Cyan (0%)
- Magenta (26%)
- Yellow (35%)
- Black (9%)




- Cyan (9%)
- Magenta (33%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7283, 0.3865, 0.3534 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 48.7283, 0.3865, 0.3534 by changing the saturation by 10% instead.





 48.7283, 0.3865,  
0.3534


 48.7283, 0.3865,  
0.3534

381.6717, 0.3496,  
0.3424

 34.4040, 0.3957,  
0.3557

 88.2878, 0.3731,  
0.3497

 23.2041, 0.4074,  
0.3585

 114.2918, 0.3681,  
0.3482

 14.7443, 0.4228,  
0.3618


144.9577, 0.3638,  
0.3469

 8.6401, 0.4440,  
0.3655

180.6701, 0.3601,  
0.3458

 4.5072, 0.4747,  
0.3693

221.8133, 0.3570,  
0.3448

 1.9611, 0.5291,  
0.3760

268.7717, 0.3542,

 0.5847, 0.6374,

0.3439

0.3626

321.9297, 0.3517,  
0.3431

0.0000, 0.0000,  
0.0000

48.7283, 0.3865,  
0.3534

48.7283, 0.3865,  
0.3534

41.9798, 0.4170,  
0.3605

56.4591, 0.3605,  
0.3461

36.1668, 0.4517,  
0.3665

65.2028, 0.3385,  
0.3388

31.2487, 0.4898,  
0.3706

74.9974, 0.3202,  
0.3320

27.1792, 0.5288,  
0.3716

85.8765, 0.3048,  
0.3257

23.9073, 0.5651,  
0.3685

95.7293, 0.2982,  
0.3290

■ 21.3760, 0.5946,  
0.3610

■ 20.2959, 0.6072,  
0.3561

# Harmonies

## Analogous

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



48.7283, 0.3718, 0.3230



48.7283, 0.3865, 0.3534



48.7283, 0.3799, 0.3800

# Triad

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



48.7283, 0.3865, 0.3534



48.7283, 0.2834, 0.3664



48.7283, 0.2695, 0.2684

# Complementary

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



48.7283, 0.3865, 0.3534



58.4252, 0.2604, 0.3029

# 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.



48.7283, 0.2488, 0.2756



48.7283, 0.3865, 0.3534



48.7283, 0.2564, 0.3310

# Square

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



48.7283, 0.3865, 0.3534



48.7283, 0.3193, 0.3906



48.7283, 0.2442, 0.2976



48.7283, 0.3026, 0.2758



# Rectangle

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



48.7283, 0.3865, 0.3534



48.7283, 0.3648, 0.3917



48.7283, 0.2442, 0.2976



48.7283, 0.2610, 0.2692

# Sweetspot

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



48.7306, 0.3865, 0.3534



87.0522, 0.3297, 0.3357



43.8175, 0.3345, 0.2628



18.2666, 0.3323, 0.3366



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.



48.7306, 0.3865, 0.3534



54.4640, 0.4092, 0.3588



65.8092, 0.3717, 0.3956



14.9808, 0.3286, 0.3352



11.5502, 0.6045, 0.3583



1.0021, 0.5758, 0.3810



# Inverse Universe

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



58.4252, 0.2604, 0.3029



68.3645, 0.2499, 0.2962



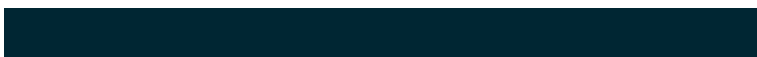
41.4656, 0.2536, 0.2519



15.6617, 0.2981, 0.3227



19.6257, 0.2005, 0.2416



1.5996, 0.2044, 0.2559



# Previews

## White Background



This preview shows how the Yxy color 48.7283, 0.3865, 0.3534 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 48.7283, 0.3865, 0.3534 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

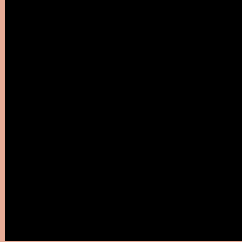
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.7283, 0.3865, 0.3534**

## Background



This preview shows how black text looks on a background with the Yxy color 48.7283, 0.3865, 0.3534.



This preview shows how white text looks on a background with the Yxy color 48.7283, 0.3865, 0.3534.

# 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

48.7283, 0.3865, 0.3534

### Protanopia

48.7343, 0.3440, 0.3649

### Deuteranopia

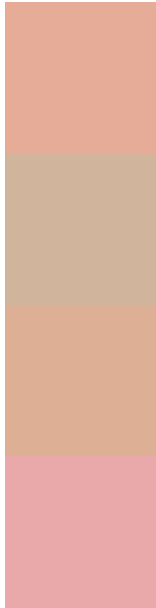
48.6417, 0.3712, 0.3630



## Tritanopia

48.8339, 0.3624, 0.3145

# Trichromacy



**Original Color**

48.7283, 0.3865, 0.3534

**Protanomaly**

48.4190, 0.3588, 0.3600

**Deuteranomaly**

48.6248, 0.3766, 0.3601

**Tritanomaly**

48.6019, 0.3715, 0.3280

# Monochromacy



**Original Color**

48.7283, 0.3865, 0.3534

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

49.2084, 0.3375, 0.3390

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7283, 0.3865, 0.3534 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(231, 172, 151)` looks like.

```
.text, #text, p{  
    color:rgb(231, 172, 151)  
}
```

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(231, 172, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 172, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7283, 0.3865, 0.3534 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(231, 172, 151) }
```

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

```
.border{ border-color:rgb(231, 172, 151) }
```

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

Here you see how a box with a 4 pixel rgb(231, 172, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 172, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 172, 151);  
box-shadow:4px 4px 4px 4px rgb(231, 172,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7283, 0.3865, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 172, 151) }
```

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

```
.background{ background-color: rgb(231,  
172, 151) }
```

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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