

# Converting Colors

$Yxy(49.8905, 0.3855, 0.3653)$

Have a look what the booklet for  
Yxy(49.8905, 0.3855, 0.3653)  
contains.

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# Color

**Yxy(49.8505, 0.3853, 0.3652)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3B192
RGB	227, 177, 146
RGB Percent	89%, 69%, 57%
CMY	0.1098, 0.3059, 0.4273
CMYK	0.00, 0.22, 0.36, 0.11
HSL	23°, 59%, 73%
HSV	23°, 36%, 89%
XYZ	52.5942, 49.8505, 34.0572
YIQ	188.4160, 39.7510, 0.9590

# Conversions

## Conversions Part 2

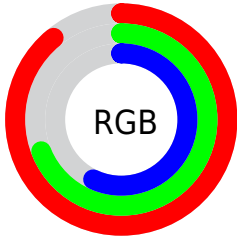
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 196, 146
Decimal	14922130
CIE Lab	75.98, 14.04, 22.82
CIE LCh	76, 26.791, 58.404
Yxy	49.8505, 0.3853, 0.3652
Android (android.graphics.Color)	4293112210 (0xFFE3B192)
YUV	188.4160, -20.9111, 33.8382
Hunter-Lab	70.6049, 9.4076, 20.8241

# Details

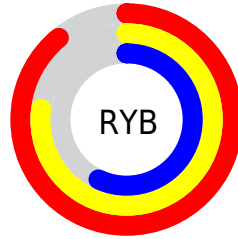
The Yxy color  $49.8505, 0.3853, 0.3652$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $51.1630, 0.2572, 0.2894$ , and the grayscale version is  $50.6457, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.7080, 0.3497, 0.3623$ , and  $23.7876, 0.4059, 0.3735$  is the 20% darker color. If you saturate the color by 10%, you get  $43.9576, 0.4130, 0.3753$ , and if you desaturate by 10%, it is  $56.4575, 0.3609, 0.3547$ .

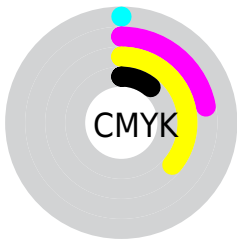
# Distribution



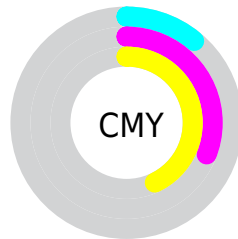
- Red (89%)
- Green (69%)
- Blue (57%)



- Red (89%)
- Yellow (77%)
- Blue (57%)



- Cyan (0%)
- Magenta (22%)
- Yellow (36%)
- Black (11%)




- Cyan (11%)
- Magenta (31%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8505, 0.3853, 0.3652 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 49.8505, 0.3853, 0.3652 by changing the saturation by 10% instead.





 49.8505, 0.3853,  
0.3652


 49.8505, 0.3853,  
0.3652


386.0810, 0.3492,  
0.3484

 35.2946, 0.3942,  
0.3690


 89.9533, 0.3723,  
0.3594

 23.8899, 0.4054,  
0.3735


 116.2691, 0.3674,  
0.3571

 15.2520, 0.4201,  
0.3791


147.2736, 0.3632,  
0.3552

 8.9964, 0.4401,  
0.3859

183.3512, 0.3596,  
0.3535

 4.7388, 0.4684,  
0.3939

224.8864, 0.3565,  
0.3520

 2.0949, 0.5234,  
0.4117

272.2635, 0.3538,

 0.6617, 0.5965,

0.3506

0.4035

325.8669, 0.3514,  
0.3494

0.0000, 0.0000,  
0.0000

49.8505, 0.3853,  
0.3652

49.8505, 0.3853,  
0.3652

43.9576, 0.4130,  
0.3753

56.4575, 0.3609,  
0.3547

38.7463, 0.4438,  
0.3842

63.7957, 0.3398,  
0.3443

34.1918, 0.4767,  
0.3908

71.8900, 0.3218,  
0.3343

30.2648, 0.5099,  
0.3936

80.7624, 0.3063,  
0.3251

26.9332, 0.5409,  
0.3916

90.1378, 0.2957,  
0.3210

■ 24.1607, 0.5669,  
0.3843

■ 95.0731, 0.2958,  
0.3290

■ 23.1176, 0.5768,  
0.3802

# Harmonies

## Analogous

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



49.8505, 0.3796, 0.3359



49.8505, 0.3853, 0.3652



49.8505, 0.3703, 0.3875

# Triad

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



49.8505, 0.3853, 0.3652



49.8505, 0.2709, 0.3516



49.8505, 0.2828, 0.2706

# Complementary

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



49.8505, 0.3853, 0.3652



51.1630, 0.2572, 0.2894

# 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.



49.8505, 0.2565, 0.2714



49.8505, 0.3853, 0.3652



49.8505, 0.2500, 0.3161

# Square

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



49.8505, 0.3853, 0.3652



49.8505, 0.3037, 0.3817



49.8505, 0.2449, 0.2871



49.8505, 0.3186, 0.2834



# Rectangle

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



49.8505, 0.3853, 0.3652



49.8505, 0.3514, 0.3944



49.8505, 0.2449, 0.2871



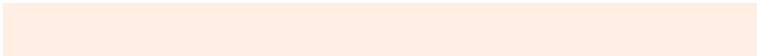
49.8505, 0.2727, 0.2693

# Sweetspot

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



49.8528, 0.3853, 0.3652



87.7635, 0.3312, 0.3396



40.9471, 0.3444, 0.2708



18.4805, 0.3337, 0.3410



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.



49.8528, 0.3853, 0.3652



58.9733, 0.4061, 0.3730



67.6321, 0.3701, 0.4071



15.2668, 0.3283, 0.3380



13.6891, 0.5741, 0.3823



1.1867, 0.5469, 0.4039



# Inverse Universe

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



51.1630, 0.2572, 0.2894



60.8970, 0.2458, 0.2793



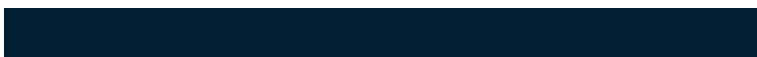
35.7176, 0.2499, 0.2364



15.3621, 0.2981, 0.3198



14.4398, 0.1886, 0.1990



1.2453, 0.1945, 0.2200



# Previews

## White Background



This preview shows how the Yxy color 49.8505, 0.3853, 0.3652 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 49.8505, 0.3853, 0.3652 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

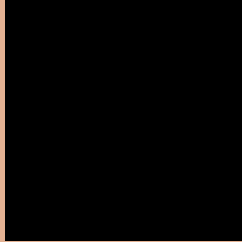
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.8505, 0.3853, 0.3652**

## Background



This preview shows how black text looks on a background with the Yxy color 49.8505, 0.3853, 0.3652.



This preview shows how white text looks on a background with the Yxy color 49.8505, 0.3853, 0.3652.

# 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

49.8505, 0.3853, 0.3652

### Protanopia

49.9171, 0.3520, 0.3746

### Deuteranopia

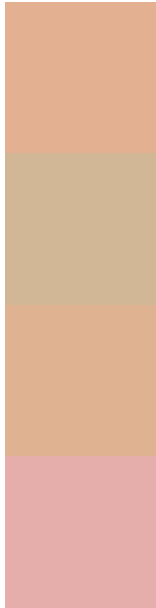
49.9025, 0.3786, 0.3708



## Tritanopia

49.9968, 0.3550, 0.3144

# Trichromacy



**Original Color**

49.8505, 0.3853, 0.3652

**Protanomaly**

49.5922, 0.3639, 0.3710

**Deuteranomaly**

49.9725, 0.3817, 0.3692

**Tritanomaly**

50.0354, 0.3664, 0.3326

# Monochromacy



**Original Color**

49.8505, 0.3853, 0.3652

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

49.8547, 0.3371, 0.3427

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8505, 0.3853, 0.3652 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, 177, 146)` looks like.

```
.text, #text, p{  
    color:rgb(227, 177, 146)  
}
```

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, 177, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 177, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8505, 0.3853, 0.3652 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, 177, 146) }
```

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

```
.border{ border-color:rgb(227, 177, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 177, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 177, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 177, 146);  
box-shadow:4px 4px 4px 4px rgb(227, 177,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8505, 0.3853, 0.3652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 177, 146) }
```

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

```
.background{ background-color: rgb(227,  
177, 146) }
```

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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