

# Converting Colors

$Yxy(45.6395, 0.3848, 0.3476)$

Have a look what the booklet for  
Yxy(45.6395, 0.3848, 0.3476)  
contains.

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# Color

**Yxy(45.6432, 0.3851, 0.3480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2A696
RGB	226, 166, 150
RGB Percent	89%, 65%, 59%
CMY	0.1137, 0.3490, 0.4117
CMYK	0.00, 0.27, 0.34, 0.11
HSL	13°, 57%, 74%
HSV	13°, 34%, 89%
XYZ	50.5092, 45.6432, 35.0062
YIQ	182.1160, 40.8960, 7.7440

# Conversions

## Conversions Part 2

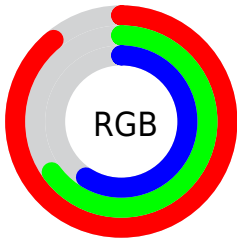
Format	Color
R <sub>Y</sub> B	226, 170, 150
Decimal	14853782
CIE Lab	73.31, 20.02, 16.98
CIE LCh	73, 26.250, 40.296
Yxy	45.6432, 0.3851, 0.3480
Android (android.graphics.Color)	4293043862 (0xFFE2A696)
YUV	182.1160, -15.8332, 38.4863
Hunter-Lab	67.5598, 15.2210, 16.5706

# Details

The Yxy color **45.6432, 0.3851, 0.3480** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **58.0832, 0.2625, 0.3089**, and the grayscale version is **46.9186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3325, 0.3493, 0.3464**, and **21.3705, 0.4062, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **38.9414, 0.4163, 0.3537**, and if you desaturate by 10%, it is **53.3901, 0.3587, 0.3421**.

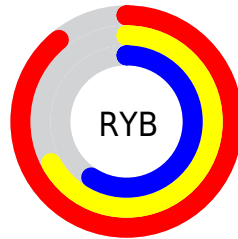
# Distribution



Red (89%)

Green (65%)

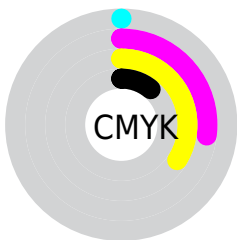
Blue (59%)



Red (89%)

Yellow (67%)

Blue (59%)

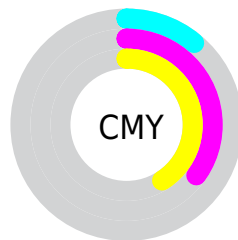


Cyan (0%)

Magenta (27%)

Yellow (34%)

Black (11%)



Cyan (11%)

Magenta (35%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6432, 0.3851, 0.3480 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 45.6432, 0.3851, 0.3480 by changing the saturation by 10% instead.





 45.6432, 0.3851,  
0.3480


 45.6432, 0.3851,  
0.3480


369.3723, 0.3484,  
0.3395

 31.9644, 0.3943,  
0.3498


 83.6848, 0.3717,  
0.3452

 21.3343, 0.4062,  
0.3518


 108.8163, 0.3667,  
0.3440

 13.3686, 0.4221,  
0.3542


138.5341, 0.3625,  
0.3430

 7.6828, 0.4442,  
0.3567

173.2227, 0.3588,  
0.3422

 3.8927, 0.4767,  
0.3588

213.2664, 0.3557,  
0.3414

 1.6137, 0.5400,  
0.3654

259.0497, 0.3530,

 0.3668, 0.6954,

0.3407

0.3046

310.9568, 0.3506,  
0.3401

0.0000, 0.0000,  
0.0000

45.6432, 0.3851,  
0.3480

45.6432, 0.3851,  
0.3480

38.9414, 0.4163,  
0.3537

53.3901, 0.3587,  
0.3421

33.2334, 0.4524,  
0.3586

62.2180, 0.3367,  
0.3363

28.4729, 0.4923,  
0.3618

72.1687, 0.3185,  
0.3309

24.6075, 0.5336,  
0.3624

83.2800, 0.3034,  
0.3258

21.5793, 0.5721,  
0.3595

94.9110, 0.2952,  
0.3289

■ 19.3231, 0.6029,  
0.3529

■ 18.2477, 0.6176,  
0.3478

# Harmonies

## Analogous

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



45.6432, 0.3670, 0.3177



45.6432, 0.3851, 0.3480



45.6432, 0.3823, 0.3757

# Triad

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



45.6432, 0.3851, 0.3480



45.6432, 0.2895, 0.3717



45.6432, 0.2650, 0.2689

# Complementary

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



45.6432, 0.3851, 0.3480



58.0832, 0.2625, 0.3089

# 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.



45.6432, 0.2470, 0.2787



45.6432, 0.3851, 0.3480



45.6432, 0.2604, 0.3375

# Square

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



45.6432, 0.3851, 0.3480



45.6432, 0.3259, 0.3926



45.6432, 0.2454, 0.3030



45.6432, 0.2962, 0.2737



# Rectangle

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



45.6432, 0.3851, 0.3480



45.6432, 0.3693, 0.3890



45.6432, 0.2454, 0.3030



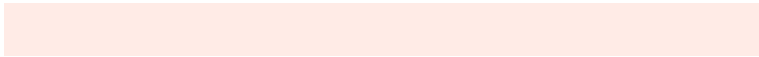
45.6432, 0.2573, 0.2705

# Sweetspot

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



45.6454, 0.3851, 0.3480



86.2839, 0.3298, 0.3343



42.6811, 0.3302, 0.2609



18.0819, 0.3325, 0.3351



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.



45.6454, 0.3851, 0.3480



54.0085, 0.4053, 0.3518



61.1861, 0.3711, 0.3896



14.1654, 0.3287, 0.3340



10.5481, 0.6152, 0.3497



0.8606, 0.5857, 0.3731

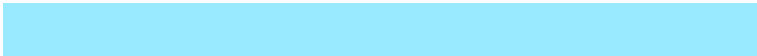


# Inverse Universe

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



58.0832, 0.2625, 0.3089



72.5786, 0.2536, 0.3043



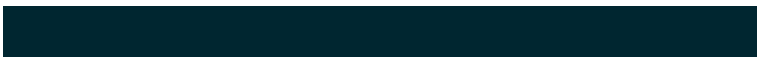
41.7920, 0.2562, 0.2598



15.0572, 0.2982, 0.3240



21.5800, 0.2056, 0.2602



1.6199, 0.2089, 0.2720



# Previews

## White Background



This preview shows how the Yxy color 45.6432, 0.3851, 0.3480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

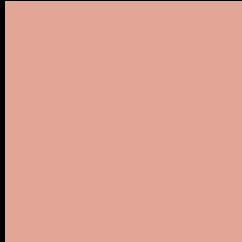
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6432, 0.3851, 0.3480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

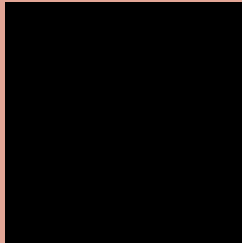
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.6432, 0.3851, 0.3480**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.6432, 0.3851, 0.3480.



This preview shows how white text looks on a background with the Yxy color 45.6432, 0.3851, 0.3480.

# 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

45.6432, 0.3851, 0.3480

### Protanopia

45.8957, 0.3397, 0.3592

### Deuteranopia

45.6124, 0.3673, 0.3590



## Tritanopia

45.5938, 0.3650, 0.3142

# Trichromacy



**Original Color**

45.6432, 0.3851, 0.3480

**Protanomaly**

45.5496, 0.3555, 0.3558

**Deuteranomaly**

45.3664, 0.3740, 0.3548

**Tritanomaly**

45.4415, 0.3725, 0.3257

# Monochromacy



**Original Color**

45.6432, 0.3851, 0.3480

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

45.9587, 0.3375, 0.3367

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6432, 0.3851, 0.3480 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(226, 166, 150)` looks like.

```
.text, #text, p{  
    color:rgb(226, 166, 150)  
}
```

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(226, 166, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 166, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6432, 0.3851, 0.3480 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(226, 166, 150) }
```

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

```
.border{ border-color:rgb(226, 166, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 166, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 166, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 166, 150);  
box-shadow:4px 4px 4px 4px rgb(226, 166,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6432, 0.3851, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 166, 150) }
```

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

```
.background{ background-color: rgb(226,  
166, 150) }
```

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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