

# Converting Colors

$Yxy(45.3676, 0.3872, 0.3447)$

Have a look what the booklet for  
Yxy(45.3676, 0.3872, 0.3447)  
contains.

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# Color

**Yxy(45.2793, 0.3868, 0.3444)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4A497
RGB	228, 164, 151
RGB Percent	89%, 64%, 59%
CMY	0.1059, 0.3568, 0.4078
CMYK	0.00, 0.28, 0.34, 0.11
HSL	10°, 59%, 74%
HSV	10°, 34%, 89%
XYZ	50.8538, 45.2793, 35.3399
YIQ	181.6540, 42.3170, 9.5250

# Conversions

## Conversions Part 2

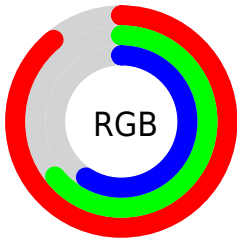
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 167, 151
Decimal	14984343
CIE Lab	73.08, 21.97, 16.13
CIE LCh	73, 27.254, 36.295
Yxy	45.2793, 0.3868, 0.3444
Android (android.graphics.Color)	4293174423 (0xFFE4A497)
YUV	181.6540, -15.1124, 40.6454
Hunter-Lab	67.2899, 17.1425, 15.9644

# Details

The Yxy color **45.2793, 0.3868, 0.3444** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **60.7731, 0.2628, 0.3128**, and the grayscale version is **46.6488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3308, 0.3490, 0.3433**, and **21.1664, 0.4088, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **38.3263, 0.4192, 0.3490**, and if you desaturate by 10%, it is **53.3902, 0.3597, 0.3396**.

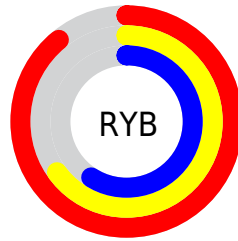
# Distribution



Red (89%)

Green (64%)

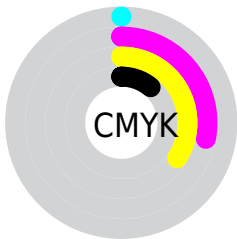
Blue (59%)



Red (89%)

Yellow (65%)

Blue (59%)

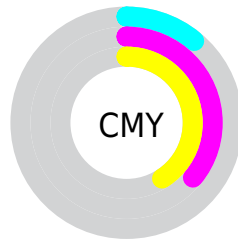


Cyan (0%)

Magenta (28%)

Yellow (34%)

Black (11%)



Cyan (11%)

Magenta (36%)


Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2793, 0.3868, 0.3444 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 45.2793, 0.3868, 0.3444 by changing the saturation by 10% instead.





 45.2793, 0.3868,  
0.3444


 45.2793, 0.3868,  
0.3444


367.9036, 0.3492,  
0.3377

 31.6775, 0.3963,  
0.3457


 83.1394, 0.3730,  
0.3422

 21.1153, 0.4085,  
0.3472


 108.1664, 0.3679,  
0.3413

 13.2083, 0.4249,  
0.3488


137.7706, 0.3636,  
0.3406

 7.5721, 0.4477,  
0.3502

172.3365, 0.3599,  
0.3399

 3.8224, 0.4814,  
0.3506

212.2483, 0.3567,  
0.3392

 1.5747, 0.5457,  
0.3537

257.8905, 0.3539,

 0.3405, 0.7164,

0.3387

0.2836

309.6474, 0.3514,  
0.3382

0.0000, 0.0000,  
0.0000

45.2793, 0.3868,  
0.3444

45.2793, 0.3868,  
0.3444

38.3263, 0.4192,  
0.3490

53.3902, 0.3597,  
0.3396

32.4718, 0.4567,  
0.3528

62.7020, 0.3372,  
0.3350

27.6612, 0.4984,  
0.3552

73.2632, 0.3188,  
0.3306

23.8321, 0.5413,  
0.3553

85.1178, 0.3036,  
0.3265

20.9157, 0.5807,  
0.3524

95.2320, 0.2964,  
0.3290

■ 18.8335, 0.6111,  
0.3464

■ 17.9113, 0.6247,  
0.3422

# Harmonies

## Analogous

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



45.2793, 0.3653, 0.3132



45.2793, 0.3868, 0.3444



45.2793, 0.3868, 0.3740

# Triad

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



45.2793, 0.3868, 0.3444



45.2793, 0.2933, 0.3775



45.2793, 0.2597, 0.2670

# Complementary

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



45.2793, 0.3868, 0.3444



60.7731, 0.2628, 0.3128

# 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.



45.2793, 0.2433, 0.2792



45.2793, 0.3868, 0.3444



45.2793, 0.2616, 0.3428

# Square

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



45.2793, 0.3868, 0.3444



45.2793, 0.3315, 0.3967



45.2793, 0.2439, 0.3062



45.2793, 0.2905, 0.2702



# Rectangle

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



45.2793, 0.3868, 0.3444



45.2793, 0.3749, 0.3890



45.2793, 0.2439, 0.3062



45.2793, 0.2525, 0.2693

# Sweetspot

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



45.2815, 0.3868, 0.3444



85.6813, 0.3300, 0.3333



43.5418, 0.3279, 0.2580



17.9372, 0.3327, 0.3339



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.



45.2815, 0.3868, 0.3444



51.5230, 0.4105, 0.3479



61.1215, 0.3723, 0.3871



14.7594, 0.3288, 0.3330



10.4606, 0.6226, 0.3438



0.8908, 0.5967, 0.3644

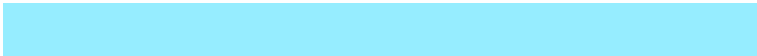


# Inverse Universe

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



60.7731, 0.2628, 0.3128



74.5113, 0.2531, 0.3087



43.4936, 0.2564, 0.2629



15.9002, 0.2981, 0.3249



24.5230, 0.2096, 0.2744



1.9224, 0.2120, 0.2832



# Previews

## White Background



This preview shows how the Yxy color 45.2793, 0.3868, 0.3444 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 45.2793, 0.3868, 0.3444 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 45.2793, 0.3868, 0.3444**

## Background



This preview shows how black text looks on a background with the Yxy color 45.2793, 0.3868, 0.3444.



This preview shows how white text looks on a background with the Yxy color 45.2793, 0.3868, 0.3444.

# 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

45.2793, 0.3868, 0.3444

### Protanopia

45.4348, 0.3372, 0.3554

### Deuteranopia

45.4670, 0.3663, 0.3591



## Tritanopia

45.3299, 0.3682, 0.3153

# Trichromacy



## Original Color

45.2793, 0.3868, 0.3444

## Protanomaly

45.3689, 0.3550, 0.3519

## Deuteranomaly

45.3985, 0.3731, 0.3536

## Tritanomaly

45.2153, 0.3748, 0.3257

# Monochromacy



## Original Color

45.2793, 0.3868, 0.3444

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

45.7423, 0.3377, 0.3341

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2793, 0.3868, 0.3444 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(228, 164, 151)` looks like.

```
.text, #text, p{  
    color:rgb(228, 164, 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(228, 164, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 164, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2793, 0.3868, 0.3444 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(228, 164, 151) }
```

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

```
.border{ border-color:rgb(228, 164, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 164, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 164, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 164, 151);  
box-shadow:4px 4px 4px 4px rgb(228, 164,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2793, 0.3868, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 164, 151) }
```

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

```
.background{ background-color: rgb(228,  
164, 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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