

# Converting Colors

$Y_{xy}(45.1644, 0.4173, 0.3705)$

Have a look what the booklet for  
Yxy(45.1644, 0.4173, 0.3705)  
contains.

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# Color

**Yxy(45.1932, 0.4171, 0.3711)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EAA37E
RGB	234, 163, 126
RGB Percent	92%, 64%, 49%
CMY	0.0824, 0.3608, 0.5058
CMYK	0.00, 0.30, 0.46, 0.08
HSL	21°, 72%, 71%
HSV	21°, 46%, 92%
XYZ	50.7952, 45.1932, 25.7934
YIQ	180.0110, 54.1930, 3.5450

# Conversions

## Conversions Part 2

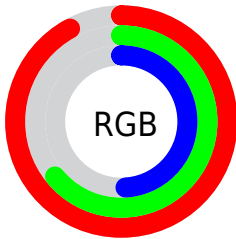
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 182, 126
Decimal	15377278
CIE <sub>Lab</sub>	73.02, 22.05, 29.73
CIE <sub>LCh</sub>	73, 37.017, 53.433
Yxy	45.1932, 0.4171, 0.3711
Android (android.graphics.Color)	4293567358 (0xFFEAA37E)
YUV	180.0110, -26.6274, 47.3484
Hunter-Lab	67.2259, 17.2274, 24.3096

# Details

The Yxy color **45.1932, 0.4171, 0.3711** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **50.3181, 0.2426, 0.2811**, and the grayscale version is **45.7742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6575, 0.3681, 0.3692**, and **21.1208, 0.4476, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **39.5246, 0.4495, 0.3789**, and if you desaturate by 10%, it is **51.6722, 0.3881, 0.3620**.

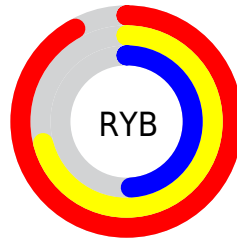
# Distribution



Red (92%)

Green (64%)

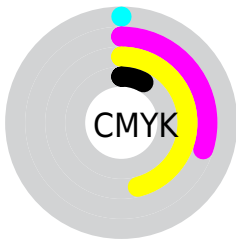
Blue (49%)



Red (92%)

Yellow (71%)

Blue (49%)

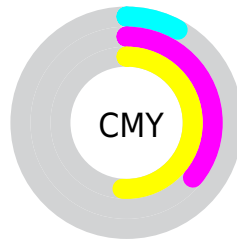


Cyan (0%)

Magenta (30%)

Yellow (46%)

Black (8%)



Cyan (8%)

Magenta (36%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1932, 0.4171, 0.3711 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 45.1932, 0.4171, 0.3711 by changing the saturation by 10% instead.





 45.1932, 0.4171,  
0.3711

 45.1932, 0.4171,  
0.3711


367.5555, 0.3645,  
0.3524


 31.6096, 0.4301,  
0.3749


 83.0103, 0.3980,  
0.3649

 21.0635, 0.4466,  
0.3791


 108.0125, 0.3908,  
0.3624

 13.1704, 0.4681,  
0.3838


 137.5898, 0.3847,  
0.3602

 7.5460, 0.4968,  
0.3881

172.1265, 0.3795,  
0.3583

 3.8059, 0.5376,  
0.3909

212.0071, 0.3750,  
0.3565

 1.5656, 0.6074,  
0.3926

257.6158, 0.3711,

 0.3342, 0.7192,

0.3550

0.2808

309.3371, 0.3676,  
0.3536

0.0000, 0.0000,  
0.0000

45.1932, 0.4171,  
0.3711

45.1932, 0.4171,  
0.3711

39.5246, 0.4495,  
0.3789

51.6722, 0.3881,  
0.3620

34.6261, 0.4844,  
0.3844

58.9865, 0.3628,  
0.3525

30.4633, 0.5195,  
0.3862

67.1681, 0.3411,  
0.3432

26.9963, 0.5521,  
0.3832

76.2452, 0.3226,  
0.3342

24.1799, 0.5789,  
0.3752

86.2449, 0.3070,  
0.3259

■ 23.2500, 0.5879,  
0.3714

■ 96.2317, 0.2999,  
0.3290

# Harmonies

## Analogous

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



45.1932, 0.4045, 0.3300



45.1932, 0.4171, 0.3711



45.1932, 0.3991, 0.4063

# Triad

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



45.1932, 0.4171, 0.3711



45.1932, 0.2598, 0.3699



45.1932, 0.2629, 0.2471

# Complementary

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



45.1932, 0.4171, 0.3711



50.3181, 0.2426, 0.2811

# 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.



45.1932, 0.2302, 0.2504



45.1932, 0.4171, 0.3711



45.1932, 0.2283, 0.3172

# Square

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



45.1932, 0.4171, 0.3711



45.1932, 0.3071, 0.4115



45.1932, 0.2182, 0.2741



45.1932, 0.3114, 0.2619



# Rectangle

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



45.1932, 0.4171, 0.3711



45.1932, 0.3737, 0.4208



45.1932, 0.2182, 0.2741



45.1932, 0.2499, 0.2460

# Sweetspot

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



45.1954, 0.4171, 0.3711



83.8377, 0.3370, 0.3413



36.4979, 0.3537, 0.2503



17.4533, 0.3413, 0.3432



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.



45.1954, 0.4171, 0.3711



48.6103, 0.4466, 0.3783



68.1111, 0.3891, 0.4258



15.8975, 0.3284, 0.3371



13.2761, 0.5851, 0.3736



1.2156, 0.5584, 0.3948

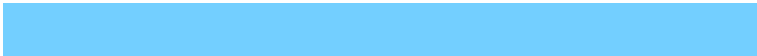


# Inverse Universe

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



50.3181, 0.2426, 0.2811



55.4564, 0.2304, 0.2696



30.3312, 0.2295, 0.2082



16.2027, 0.2981, 0.3207



16.5416, 0.1925, 0.2131



1.4765, 0.1975, 0.2310



# Previews

## White Background



This preview shows how the Yxy color 45.1932, 0.4171, 0.3711 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

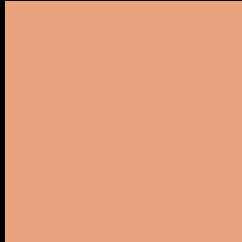
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.1932, 0.4171, 0.3711 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

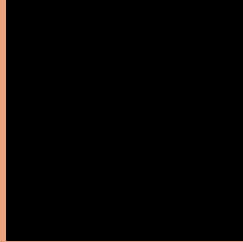
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.1932, 0.4171, 0.3711**

## Background



This preview shows how black text looks on a background with the Yxy color 45.1932, 0.4171, 0.3711.



This preview shows how white text looks on a background with the Yxy color 45.1932, 0.4171, 0.3711.

# 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

45.1932, 0.4171, 0.3711

### Protanopia

45.2711, 0.3641, 0.3892

### Deuteranopia

45.2564, 0.3950, 0.3876



## Tritanopia

45.1557, 0.3809, 0.3157

## Trichromacy



**Original Color**

45.1932, 0.4171, 0.3711

**Protanomaly**

44.9087, 0.3835, 0.3828

**Deuteranomaly**

45.2288, 0.4024, 0.3815

**Tritanomaly**

45.1007, 0.3954, 0.3360

## Monochromacy



**Original Color**

45.1932, 0.4171, 0.3711

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

45.0895, 0.3486, 0.3469

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1932, 0.4171, 0.3711 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(234, 163, 126)` looks like.

```
.text, #text, p{  
    color:rgb(234, 163, 126)  
}
```

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(234, 163, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 163, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1932, 0.4171, 0.3711 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(234, 163, 126) }
```

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

```
.border{ border-color:rgb(234, 163, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 163, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 163, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 163, 126); box-shadow:4px 4px 4px 4px rgb(234, 163, 126) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1932, 0.4171, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 163, 126) }
```

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

```
.background{ background-color: rgb(234,  
163, 126) }
```

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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