

# Converting Colors

Yxy(51.0117, 0.4299, 0.4232)

Have a look what the booklet for  
Yxy(51.0117, 0.4299, 0.4232)  
contains.

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# Color

**Yxy(51.0117, 0.4299, 0.4232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8B55E
RGB	232, 181, 94
RGB Percent	91%, 71%, 37%
CMY	0.0903, 0.2901, 0.6313
CMYK	0.00, 0.22, 0.59, 0.09
HSL	38°, 75%, 64%
HSV	38°, 59%, 91%
XYZ	51.8193, 51.0117, 17.7070
YIQ	186.3310, 58.3230, -16.2450

# Conversions

## Conversions Part 2

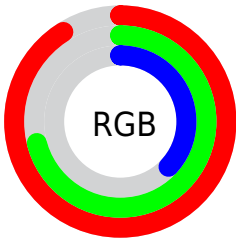
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">175, 232, 94</a>
Decimal	<a href="#">15250782</a>
CIELab	<a href="#">76.69, 8.96, 50.64</a>
CIELCh	<a href="#">77, 51.422, 79.970</a>
Yxy	<a href="#">51.0117, 0.4299, 0.4232</a>
Android (android.graphics.Color)	<a href="#">4293440862 (0xFFE8B55E)</a>
YUV	<a href="#">186.3310, -45.5192, 40.0517</a>
Hunter-Lab	<a href="#">71.4225, 4.5182, 35.2966</a>

# Details

The Yxy color **51.0117, 0.4299, 0.4232** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **28.4510, 0.2123, 0.2061**, and the grayscale version is **49.5354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9350, 0.3830, 0.4187**, and **24.4970, 0.4569, 0.4409** is the 20% darker color. If you saturate the color by 10%, you get **47.2792, 0.4518, 0.4338**, and if you desaturate by 10%, it is **55.0886, 0.4074, 0.4094**.

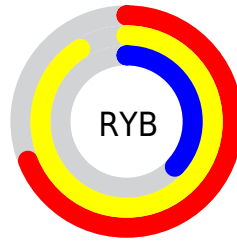
# Distribution



Red (91%)

Green (71%)

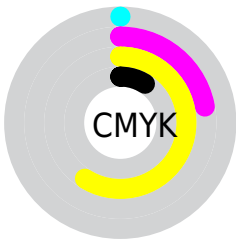
Blue (37%)



Red (69%)

Yellow (91%)

Blue (37%)

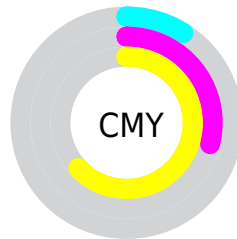


Cyan (0%)

Magenta (22%)

Yellow (59%)

Black (9%)



Cyan (9%)

Magenta (29%)


Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0117, 0.4299, 0.4232 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 51.0117, 0.4299, 0.4232 by changing the saturation by 10% instead.





 51.0117, 0.4299,  
0.4232

 51.0117, 0.4299,  
0.4232


390.6092, 0.3743,  
0.3807

 36.2179, 0.4421,  
0.4318


 91.6721, 0.4108,  
0.4091


 24.6025, 0.4567,  
0.4415


 118.3074, 0.4033,  
0.4034

 15.7812, 0.4739,  
0.4522


 149.6588, 0.3968,  
0.3984

 9.3694, 0.4938,  
0.4626

 186.1106, 0.3911,  
0.3940

 4.9829, 0.5229,  
0.4771

228.0471, 0.3861,  
0.3901

 2.2373, 0.5335,  
0.4665

275.8528, 0.3817,

 0.7402, 0.5554,

0.3866

0.4446

329.9120, 0.3778,  
0.3835

0.0000, 0.0000,  
0.0000

51.0117, 0.4299,  
0.4232

51.0117, 0.4299,  
0.4232

47.2792, 0.4518,  
0.4338

55.0886, 0.4074,  
0.4094

43.8684, 0.4721,  
0.4402

59.5165, 0.3854,  
0.3937

40.7641, 0.4896,  
0.4414

64.3106, 0.3646,  
0.3770

37.9398, 0.5039,  
0.4378

69.4827, 0.3453,  
0.3602

37.7977, 0.5046,  
0.4375

75.0440, 0.3277,  
0.3438

■ 81.0051, 0.3119,  
0.3282

■ 87.2855, 0.2987,  
0.3149

■ 92.4793, 0.2987,  
0.3236

■ 95.8929, 0.2987,  
0.3290

# Harmonies

## Analogous

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



51.0117, 0.4515, 0.3742



51.0117, 0.4299, 0.4232



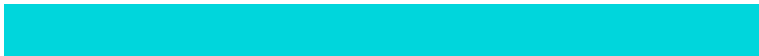
51.0117, 0.3775, 0.4545

# Triad

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



51.0117, 0.4299, 0.4232



51.0117, 0.2060, 0.3191



51.0117, 0.3019, 0.2395

# Complementary

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



51.0117, 0.4299, 0.4232



28.4510, 0.2123, 0.2061

# 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.



51.0117, 0.2410, 0.2229



51.0117, 0.4299, 0.4232



51.0117, 0.1909, 0.2603

# Square

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



51.0117, 0.4299, 0.4232



51.0117, 0.2483, 0.3923



51.0117, 0.2030, 0.2286



51.0117, 0.3733, 0.2746



# Rectangle

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



51.0117, 0.4299, 0.4232



51.0117, 0.3336, 0.4547



51.0117, 0.2030, 0.2286



51.0117, 0.2795, 0.2317

# Sweetspot

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



51.0142, 0.4299, 0.4232



87.0427, 0.3427, 0.3579



27.2640, 0.4237, 0.2716



18.2147, 0.3481, 0.3628



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.



51.0142, 0.4299, 0.4232



57.7693, 0.4558, 0.4354



73.0936, 0.3846, 0.4751



15.8751, 0.3277, 0.3438



21.2359, 0.5029, 0.4389



1.7454, 0.4875, 0.4511



# Inverse Universe

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



28.4510, 0.2123, 0.2061



27.6750, 0.1942, 0.1770



17.1548, 0.2076, 0.1424



14.7548, 0.2981, 0.3138



7.1242, 0.1661, 0.1180



0.6994, 0.1742, 0.1472



# Previews

## White Background



This preview shows how the Yxy color 51.0117, 0.4299, 0.4232 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 51.0117, 0.4299, 0.4232 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 51.0117, 0.4299, 0.4232**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.0117, 0.4299, 0.4232.



This preview shows how white text looks on a background with the Yxy color 51.0117, 0.4299, 0.4232.

# 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

51.0117, 0.4299, 0.4232

### Protanopia

51.2453, 0.4011, 0.4386

### Deuteranopia

50.7743, 0.4315, 0.4218



## Tritanopia

50.9372, 0.3634, 0.3148

# Trichromacy



**Original Color**

51.0117, 0.4299, 0.4232

**Protanomaly**

51.1369, 0.4109, 0.4333

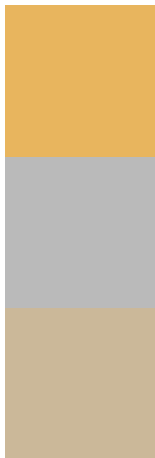
**Deuteranomaly**

50.7743, 0.4315, 0.4218

**Tritanomaly**

50.7272, 0.3899, 0.3563

# Monochromacy



**Original Color**

51.0117, 0.4299, 0.4232

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

49.2774, 0.3548, 0.3679

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0117, 0.4299, 0.4232 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(232, 181, 94)` looks like.

```
.text, #text, p{  
    color:rgb(232, 181, 94)  
}
```

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(232, 181, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 181, 94) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0117, 0.4299, 0.4232 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(232, 181, 94) }
```

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

```
.border{ border-color:rgb(232, 181, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 181, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 181, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 181, 94);  
box-shadow:4px 4px 4px 4px rgb(232, 181,  
94) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0117, 0.4299, 0.4232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 181, 94) }
```

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

```
.background{ background-color: rgb(232,  
181, 94) }
```

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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