

# Converting Colors

$Y_{xy}(32.8340, 0.4845, 0.3841)$

Have a look what the booklet for  
Yxy(32.8340, 0.4845, 0.3841)  
contains.

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# Color

**Yxy(32.8943, 0.4850, 0.3844)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5814D
RGB	229, 129, 77
RGB Percent	90%, 51%, 30%
CMY	0.1019, 0.4941, 0.6982
CMYK	0.00, 0.44, 0.66, 0.10
HSL	21°, 75%, 60%
HSV	21°, 66%, 90%
XYZ	41.5030, 32.8943, 11.1758
YIQ	152.9720, 76.2920, 5.0280

# Conversions

## Conversions Part 2

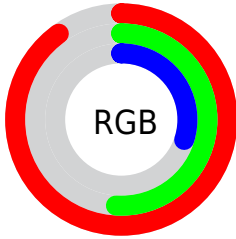
Format	Color
R <sub>Y</sub> B	229, 156, 77
Decimal	15040845
CIE Lab	64.08, 34.18, 44.42
CIE LCh	64, 56.046, 52.424
Yxy	32.8943, 0.4850, 0.3844
Android (android.graphics.Color)	4293230925 (0xFFE5814D)
YUV	152.9720, -37.4542, 66.6766
Hunter-Lab	57.3536, 28.7999, 28.5943

# Details

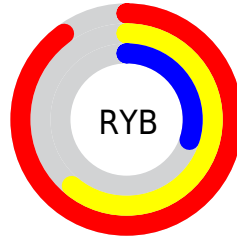
The Yxy color **32.8943, 0.4850, 0.3844** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **38.6628, 0.2174, 0.2553**, and the grayscale version is **31.9833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6855, 0.4227, 0.3860**, and **13.8623, 0.5335, 0.3873** is the 20% darker color. If you saturate the color by 10%, you get **28.9476, 0.5201, 0.3861**, and if you desaturate by 10%, it is **37.5431, 0.4502, 0.3790**.

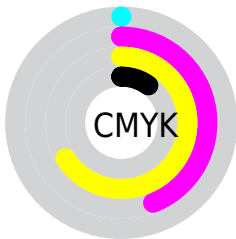
# Distribution



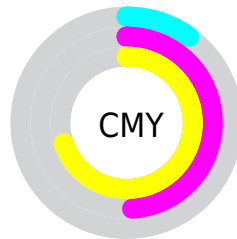
- Red (90%)
- Green (51%)
- Blue (30%)



- Red (90%)
- Yellow (61%)
- Blue (30%)



- Cyan (0%)
- Magenta (44%)
- Yellow (66%)
- Black (10%)




- Cyan (10%)
- Magenta (49%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8943, 0.4850, 0.3844 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 32.8943, 0.4850, 0.3844 by changing the saturation by 10% instead.





 32.8943, 0.4850,  
0.3844


 32.8943, 0.4850,  
0.3844


315.1732, 0.3956,  
0.3630


 22.0455, 0.5069,  
0.3866


 64.2105, 0.4525,  
0.3787


 13.8903, 0.5341,  
0.3874


 85.4466, 0.4402,  
0.3759


 8.0444, 0.5678,  
0.3843

 110.9140, 0.4298,  
0.3733

 4.1234, 0.6203,  
0.3797

 140.9970, 0.4209,  
0.3708

 1.7428, 0.6573,  
0.3427

 176.0800, 0.4133,  
0.3686

 0.4512, 0.7477,  
0.2523

216.5475, 0.4066,

 0.0000, 1.0000,

0.3666

0.0000

262.7837, 0.4007,  
0.3647

■ 0.0000, 0.0000,  
0.0000

■ 32.8943, 0.4850,  
0.3844

■ 32.8943, 0.4850,  
0.3844

■ 28.9476, 0.5201,  
0.3861

■ 37.5431, 0.4502,  
0.3790

■ 25.6599, 0.5526,  
0.3831

■ 42.9236, 0.4177,  
0.3712

■ 22.9896, 0.5793,  
0.3750

■ 49.0696, 0.3886,  
0.3622


■ 22.1626, 0.5878,  
0.3715

■ 56.0110, 0.3633,  
0.3527

■ 63.7763, 0.3415,  
0.3434

 72.3921, 0.3230,  
0.3344

 81.8841, 0.3074,  
0.3261

 91.9396, 0.2969,  
0.3235

 95.3987, 0.2970,  
0.3290

# Harmonies

## Analogous

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



32.8943, 0.4659, 0.3222



32.8943, 0.4850, 0.3844



32.8943, 0.4511, 0.4454

# Triad

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



32.8943, 0.4850, 0.3844



32.8943, 0.2260, 0.4025



32.8943, 0.2290, 0.2012

# Complementary

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



32.8943, 0.4850, 0.3844



38.6628, 0.2174, 0.2553

# 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.



32.8943, 0.1820, 0.2043



32.8943, 0.4850, 0.3844



32.8943, 0.1790, 0.3067

# Square

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



32.8943, 0.4850, 0.3844



32.8943, 0.3004, 0.4779



32.8943, 0.1651, 0.2376



32.8943, 0.3050, 0.2232



# Rectangle

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



32.8943, 0.4850, 0.3844



32.8943, 0.4080, 0.4776



32.8943, 0.1651, 0.2376



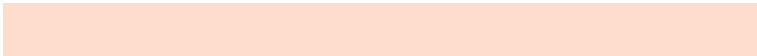
32.8943, 0.2099, 0.1993

# Sweetspot

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



32.8960, 0.4850, 0.3844



77.5742, 0.3492, 0.3468



25.1887, 0.3805, 0.2227



16.0053, 0.3554, 0.3495



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.



32.8960, 0.4850, 0.3844



35.1319, 0.5339, 0.3855



60.2202, 0.4207, 0.4593



15.1704, 0.3284, 0.3371



12.8723, 0.5850, 0.3737



1.1190, 0.5568, 0.3961



# Inverse Universe

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



38.6628, 0.2174, 0.2553



42.6939, 0.2040, 0.2367



16.7961, 0.1912, 0.1461



15.4620, 0.2981, 0.3208



16.0507, 0.1926, 0.2133



1.3571, 0.1978, 0.2321



# Previews

## White Background



This preview shows how the Yxy color 32.8943, 0.4850, 0.3844 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 32.8943, 0.4850, 0.3844 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

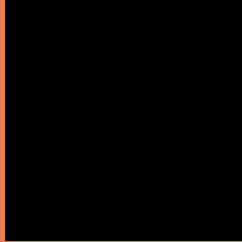
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 32.8943, 0.4850, 0.3844**

## Background



This preview shows how black text looks on a background with the Yxy color 32.8943, 0.4850, 0.3844.



This preview shows how white text looks on a background with the Yxy color 32.8943, 0.4850, 0.3844.

# 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

32.8943, 0.4850, 0.3844

### Protanopia

33.1067, 0.3940, 0.4296

### Deuteranopia

32.8673, 0.4339, 0.4253



## Tritanopia

32.9604, 0.4320, 0.3203

# Trichromacy



## Original Color

32.8943, 0.4850, 0.3844

## Protanomaly

32.3888, 0.4270, 0.4119

## Deuteranomaly

32.5233, 0.4531, 0.4100

## Tritanomaly

32.8039, 0.4540, 0.3451

# Monochromacy



## Original Color

32.8943, 0.4850, 0.3844

## Achromatopsia

31.8547, 0.3127, 0.3290

## Achromatomaly

31.2509, 0.3733, 0.3564

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.8943, 0.4850, 0.3844 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(229, 129, 77)` looks like.

```
.text, #text, p{  
    color:rgb(229, 129, 77)  
}
```

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(229, 129, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 129, 77) }
```

## Border

The CSS property to change the border of an element to Yxy 32.8943, 0.4850, 0.3844 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(229, 129, 77) }
```

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

```
.border{ border-color:rgb(229, 129, 77) }
```

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

Here you see how a box with a 4 pixel rgb(229, 129, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 129, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 129, 77);  
box-shadow:4px 4px 4px 4px rgb(229, 129,  
77) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.8943, 0.4850, 0.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 129, 77) }
```

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

```
.background{ background-color: rgb(229,  
129, 77) }
```

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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