

# Converting Colors

$Y_{xy}(32.6565, 0.4786, 0.3926)$

Have a look what the booklet for  
Yxy(32.6565, 0.4786, 0.3926)  
contains.

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# Color

**Yxy(32.6849, 0.4793, 0.3924)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF844A
RGB	223, 132, 74
RGB Percent	87%, 52%, 29%
CMY	0.1254, 0.4824, 0.7097
CMYK	0.00, 0.41, 0.67, 0.13
HSL	23°, 70%, 58%
HSV	23°, 67%, 87%
XYZ	39.9232, 32.6849, 10.6867
YIQ	152.5970, 72.8540, 1.2540

# Conversions

## Conversions Part 2

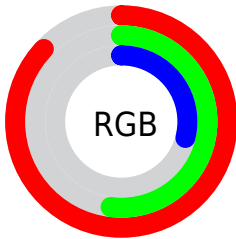
Format	Color
R <sub>YB</sub>	223, 169, 74
Decimal	14648394
CIE <sub>Lab</sub>	63.90, 30.04, 45.51
CIE <sub>LCh</sub>	64, 54.530, 56.576
Yxy	32.6849, 0.4793, 0.3924
Android (android.graphics.Color)	4292838474 (0xFFDF844A)
YUV	152.5970, -38.7483, 61.7434
Hunter-Lab	57.1707, 24.6007, 28.9366

# Details

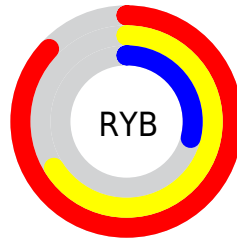
The Yxy color **32.6849, 0.4793, 0.3924** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **33.7112, 0.2144, 0.2441**, and the grayscale version is **31.8202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8585, 0.4233, 0.3919**, and **13.7416, 0.5270, 0.3974** is the 20% darker color. If you saturate the color by 10%, you get **28.9805, 0.5120, 0.3949**, and if you desaturate by 10%, it is **36.9818, 0.4466, 0.3861**.

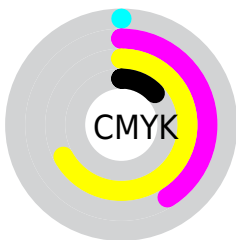
# Distribution



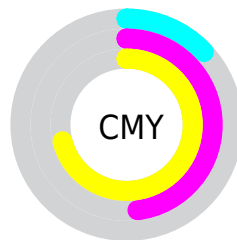
- Red (87%)
- Green (52%)
- Blue (29%)



- Red (87%)
- Yellow (66%)
- Blue (29%)



- Cyan (0%)
- Magenta (41%)
- Yellow (67%)
- Black (13%)




- Cyan (13%)
- Magenta (48%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.6849, 0.4793, 0.3924 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 32.6849, 0.4793, 0.3924 by changing the saturation by 10% instead.




 32.6849, 0.4793,  
0.3924


 32.6849, 0.4793,  
0.3924


314.2275, 0.3930,  
0.3665


 21.8852, 0.5003,  
0.3958


 63.8833, 0.4480,  
0.3850

 13.7725, 0.5262,  
0.3980


 85.0507, 0.4361,  
0.3816


 7.9626, 0.5582,  
0.3968


 110.4428, 0.4261,  
0.3784

 4.0711, 0.6064,  
0.3936

 140.4440, 0.4176,  
0.3756

 1.7134, 0.6405,  
0.3595

 175.4387, 0.4102,  
0.3730

 0.4323, 0.7322,  
0.2678

215.8112, 0.4037,

 0.0000, 1.0000,

0.3706

0.0000

261.9460, 0.3980,  
0.3685

0.0000, 0.0000,  
0.0000

32.6849, 0.4793,  
0.3924

32.6849, 0.4793,  
0.3924

28.9805, 0.5120,  
0.3949

36.9818, 0.4466,  
0.3861

25.8331, 0.5422,  
0.3925

41.8937, 0.4158,  
0.3772


23.2094, 0.5675,  
0.3848

47.4480, 0.3879,  
0.3670


22.4707, 0.5748,  
0.3818


53.6686, 0.3633,  
0.3563

60.5782, 0.3420,  
0.3457

 68.1982, 0.3237,  
0.3356

 76.5490, 0.3080,  
0.3260

 85.6503, 0.2946,  
0.3173

 94.1838, 0.2935,  
0.3286

# Harmonies

## Analogous

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



32.6849, 0.4681, 0.3310



32.6849, 0.4793, 0.3924



32.6849, 0.4407, 0.4507

# Triad

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



32.6849, 0.4793, 0.3924



32.6849, 0.2198, 0.3875



32.6849, 0.2397, 0.2053

# Complementary

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



32.6849, 0.4793, 0.3924



33.7112, 0.2144, 0.2441

# 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.



32.6849, 0.1893, 0.2049



32.6849, 0.4793, 0.3924



32.6849, 0.1780, 0.2961

# Square

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



32.6849, 0.4793, 0.3924



32.6849, 0.2901, 0.4669



32.6849, 0.1686, 0.2333



32.6849, 0.3173, 0.2301



# Rectangle

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



32.6849, 0.4793, 0.3924



32.6849, 0.3963, 0.4790



32.6849, 0.1686, 0.2333



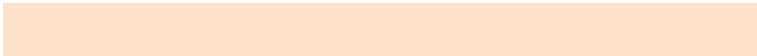
32.6849, 0.2195, 0.2023

# Sweetspot

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



32.6866, 0.4793, 0.3924



78.8471, 0.3488, 0.3492



23.3407, 0.3916, 0.2299



16.3077, 0.3548, 0.3522



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.



32.6866, 0.4793, 0.3924



37.5645, 0.5239, 0.3946



60.1519, 0.4157, 0.4660



14.5708, 0.3282, 0.3382



13.4146, 0.5721, 0.3839



1.1001, 0.5436, 0.4066



# Inverse Universe

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



33.7112, 0.2144, 0.2441



38.8273, 0.2004, 0.2232



14.3368, 0.1883, 0.1355



14.6301, 0.2981, 0.3197



13.7501, 0.1880, 0.1967



1.1255, 0.1943, 0.2193



# Previews

## White Background



This preview shows how the Yxy color 32.6849, 0.4793, 0.3924 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 32.6849, 0.4793, 0.3924 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

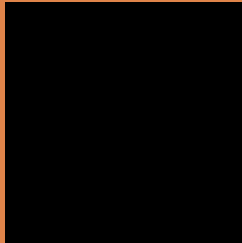
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 32.6849, 0.4793, 0.3924**

## Background



This preview shows how black text looks on a background with the Yxy color 32.6849, 0.4793, 0.3924.



This preview shows how white text looks on a background with the Yxy color 32.6849, 0.4793, 0.3924.

# 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

32.6849, 0.4793, 0.3924

### Protanopia

32.7098, 0.3981, 0.4335

### Deuteranopia

32.8285, 0.4363, 0.4284



## Tritanopia

32.7194, 0.4221, 0.3188

# Trichromacy



**Original Color**

32.6849, 0.4793, 0.3924

**Protanomaly**

32.3791, 0.4276, 0.4185

**Deuteranomaly**

32.4974, 0.4526, 0.4150

**Tritanomaly**

32.7769, 0.4458, 0.3479

# Monochromacy



**Original Color**

32.6849, 0.4793, 0.3924

**Achromatopsia**

31.8547, 0.3127, 0.3290

**Achromatomaly**

31.1710, 0.3706, 0.3596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.6849, 0.4793, 0.3924 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(223, 132, 74)` looks like.

```
.text, #text, p{  
    color:rgb(223, 132, 74)  
}
```

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(223, 132, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 132, 74) }
```

## Border

The CSS property to change the border of an element to Yxy 32.6849, 0.4793, 0.3924 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(223, 132, 74) }
```

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

```
.border{ border-color:rgb(223, 132, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 132, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 132, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 132, 74);  
box-shadow:4px 4px 4px 4px rgb(223, 132,  
74) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.6849, 0.4793, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 132, 74) }
```

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

```
.background{ background-color: rgb(223,  
132, 74) }
```

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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