

# Converting Colors

$Y_{xy}(33.0034, 0.4489, 0.3757)$

Have a look what the booklet for  
Yxy(33.0034, 0.4489, 0.3757)  
contains.

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# Color

**Yxy(32.9242, 0.4494, 0.3756)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D98760
RGB	217, 135, 96
RGB Percent	85%, 53%, 38%
CMY	0.1490, 0.4706, 0.6236
CMYK	0.00, 0.38, 0.56, 0.15
HSL	19°, 61%, 61%
HSV	19°, 56%, 85%
XYZ	39.3933, 32.9242, 15.3401
YIQ	155.0720, 61.3910, 5.2550

# Conversions

## Conversions Part 2

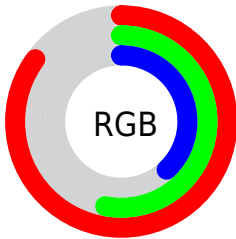
Format	Color
R <sub>Y</sub> B	217, 154, 96
Decimal	14255968
CIE Lab	64.10, 27.53, 34.03
CIE LCh	64, 43.777, 51.027
Yxy	32.9242, 0.4494, 0.3756
Android (android.graphics.Color)	4292446048 (0xFFD98760)
YUV	155.0720, -29.1225, 54.3109
Hunter-Lab	57.3796, 22.1329, 24.3149

# Details

The Yxy color **32.9242, 0.4494, 0.3756** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **39.3361, 0.2309, 0.2730**, and the grayscale version is **32.9231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7618, 0.4039, 0.3731**, and **13.8231, 0.4925, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **28.7558, 0.4849, 0.3808**, and if you desaturate by 10%, it is **37.7730, 0.4165, 0.3682**.

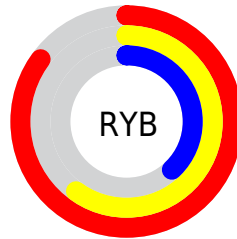
# Distribution



Red (85%)

Green (53%)

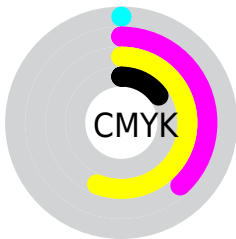
Blue (38%)



Red (85%)

Yellow (60%)

Blue (38%)

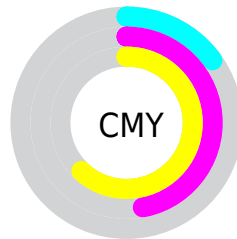


Cyan (0%)

Magenta (38%)

Yellow (56%)

Black (15%)



Cyan (15%)

Magenta (47%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9242, 0.4494, 0.3756 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 32.9242, 0.4494, 0.3756 by changing the saturation by 10% instead.





 32.9242, 0.4494,  
0.3756


 32.9242, 0.4494,  
0.3756


315.3080, 0.3773,  
0.3554

 22.0684, 0.4680,  
0.3790


 64.2572, 0.4226,  
0.3693

 13.9072, 0.4918,  
0.3822


 85.5031, 0.4127,  
0.3666

 8.0561, 0.5230,  
0.3839

 110.9812, 0.4044,  
0.3642

 4.1309, 0.5678,  
0.3834

 141.0759, 0.3973,  
0.3620

 1.7470, 0.6287,  
0.3713

176.1715, 0.3913,  
0.3601

 0.4538, 0.7137,  
0.2863

216.6525, 0.3860,

 0.0000, 1.0000,

0.3584

0.0000

262.9032, 0.3814,  
0.3568

0.0000, 0.0000,  
0.0000

32.9242, 0.4494,  
0.3756

32.9242, 0.4494,  
0.3756

28.7558, 0.4849,  
0.3808

37.7730, 0.4165,  
0.3682

25.2305, 0.5209,  
0.3824

43.3273, 0.3873,  
0.3597

22.3144, 0.5545,  
0.3796

49.6169, 0.3620,  
0.3508

19.9674, 0.5822,  
0.3718

56.6682, 0.3403,  
0.3420

19.1293, 0.5924,  
0.3678

64.5063, 0.3220,  
0.3336

■ 73.1552, 0.3065,  
0.3258

■ 82.6377, 0.2934,  
0.3186

■ 91.9999, 0.2899,  
0.3265

■ 93.4941, 0.2900,  
0.3289

# Harmonies

## Analogous

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



32.9242, 0.4306, 0.3239



32.9242, 0.4494, 0.3756



32.9242, 0.4270, 0.4236

# Triad

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



32.9242, 0.4494, 0.3756



32.9242, 0.2474, 0.3889



32.9242, 0.2438, 0.2244

# Complementary

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



32.9242, 0.4494, 0.3756



39.3361, 0.2309, 0.2730

# 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.



32.9242, 0.2053, 0.2293



32.9242, 0.4494, 0.3756



32.9242, 0.2064, 0.3169

# Square

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



32.9242, 0.4494, 0.3756



32.9242, 0.3087, 0.4435



32.9242, 0.1924, 0.2598



32.9242, 0.3045, 0.2416



# Rectangle

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



32.9242, 0.4494, 0.3756



32.9242, 0.3944, 0.4466



32.9242, 0.1924, 0.2598



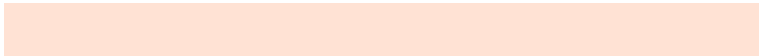
32.9242, 0.2282, 0.2234

# Sweetspot

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



32.9259, 0.4494, 0.3756



80.1847, 0.3431, 0.3432



26.3584, 0.3630, 0.2339



16.7093, 0.3473, 0.3449



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.



32.9259, 0.4494, 0.3756



40.4335, 0.4915, 0.3814



54.5505, 0.4059, 0.4410



13.7334, 0.3284, 0.3366



11.7485, 0.5898, 0.3699



0.9145, 0.5578, 0.3953



# Inverse Universe

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



39.3361, 0.2309, 0.2730



50.3846, 0.2174, 0.2586



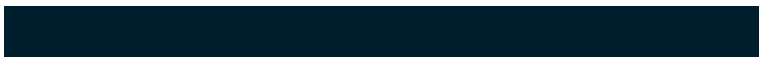
20.4934, 0.2116, 0.1818



14.0850, 0.2982, 0.3213



15.8723, 0.1946, 0.2206

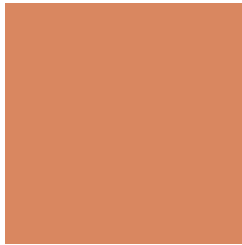


1.1818, 0.2001, 0.2404



# Previews

## White Background



This preview shows how the Yxy color 32.9242, 0.4494, 0.3756 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 32.9242, 0.4494, 0.3756 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 32.9242, 0.4494, 0.3756**

## Background



This preview shows how black text looks on a background with the Yxy color 32.9242, 0.4494, 0.3756.



This preview shows how white text looks on a background with the Yxy color 32.9242, 0.4494, 0.3756.

# 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

32.9242, 0.4494, 0.3756

### Protanopia

33.2114, 0.3757, 0.4058

### Deuteranopia

33.1040, 0.4122, 0.4048



## Tritanopia

32.7802, 0.4067, 0.3172

# Trichromacy



## Original Color

32.9242, 0.4494, 0.3756

## Protanomaly

32.5585, 0.4018, 0.3942

## Deuteranomaly

32.8968, 0.4257, 0.3939

## Tritanomaly

32.7227, 0.4238, 0.3390

# Monochromacy



## Original Color

32.9242, 0.4494, 0.3756

## Achromatopsia

32.7778, 0.3127, 0.3290

## Achromatomaly

32.3660, 0.3588, 0.3493

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.9242, 0.4494, 0.3756 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(217, 135, 96)` looks like.

```
.text, #text, p{  
    color:rgb(217, 135, 96)  
}
```

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(217, 135, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 135, 96) }
```

## Border

The CSS property to change the border of an element to Yxy 32.9242, 0.4494, 0.3756 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(217, 135, 96) }
```

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

```
.border{ border-color:rgb(217, 135, 96) }
```

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

Here you see how a box with a 4 pixel rgb(217, 135, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 135, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 135, 96);  
box-shadow:4px 4px 4px 4px rgb(217, 135,  
96) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.9242, 0.4494, 0.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 135, 96) }
```

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

```
.background{ background-color: rgb(217,  
135, 96) }
```

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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