

# Converting Colors

$Y_{xy}(33.0615, 0.4269, 0.3547)$

Have a look what the booklet for  
Yxy(33.0615, 0.4269, 0.3547)  
contains.

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# Color

**Yxy(33.0128, 0.4264, 0.3539)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D78773
RGB	215, 135, 115
RGB Percent	84%, 53%, 45%
CMY	0.1570, 0.4705, 0.5490
CMYK	0.00, 0.37, 0.47, 0.16
HSL	12°, 56%, 65%
HSV	12°, 47%, 84%
XYZ	39.7758, 33.0128, 20.4942
YIQ	156.6400, 54.1000, 10.7400

# Conversions

## Conversions Part 2

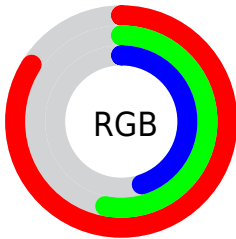
Format	Color
R <sub>Y</sub> B	215, 140, 115
Decimal	14124915
CIE Lab	64.17, 28.43, 23.61
CIE LCh	64, 36.952, 39.709
Yxy	33.0128, 0.4264, 0.3539
Android (android.graphics.Color)	4292314995 (0xFFD78773)
YUV	156.6400, -20.5285, 51.1817
Hunter-Lab	57.4568, 23.0215, 19.0716

# Details

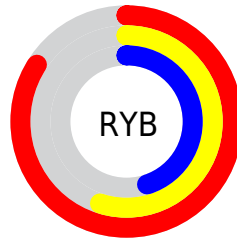
The Yxy color **33.0128, 0.4264, 0.3539** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **47.5539, 0.2461, 0.3014**, and the grayscale version is **33.6237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4452, 0.3871, 0.3523**, and **13.9140, 0.4633, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **28.1589, 0.4639, 0.3582**, and if you desaturate by 10%, it is **38.7599, 0.3936, 0.3487**.

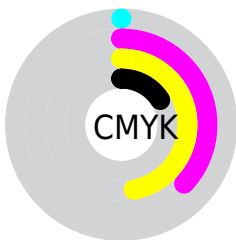
# Distribution



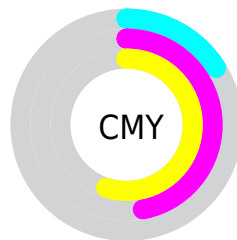
- Red (84%)
- Green (53%)
- Blue (45%)



- Red (84%)
- Yellow (55%)
- Blue (45%)



- Cyan (0%)
- Magenta (37%)
- Yellow (47%)
- Black (16%)




- Cyan (16%)
- Magenta (47%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0128, 0.4264, 0.3539 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 33.0128, 0.4264, 0.3539 by changing the saturation by 10% instead.




 33.0128, 0.4264,  
0.3539


 33.0128, 0.4264,  
0.3539


315.7074, 0.3659,  
0.3434


 22.1363, 0.4425,  
0.3556


 64.3955, 0.4036,  
0.3507

 13.9570, 0.4637,  
0.3571


 85.6705, 0.3953,  
0.3493

 8.0908, 0.4925,  
0.3578


 111.1803, 0.3883,  
0.3481

 4.1531, 0.5334,  
0.3557

141.3095, 0.3824,  
0.3469

 1.7596, 0.6248,  
0.3633

176.4424, 0.3774,  
0.3459

 0.4618, 0.7166,  
0.2834

216.9635, 0.3730,

 0.0000, 1.0000,

0.3450


0.0000

263.2570, 0.3692,  
0.3442

 0.0000, 0.0000,  
0.0000

 33.0128, 0.4264,  
0.3539


 33.0128, 0.4264,  
0.3539


 28.1589, 0.4639,  
0.3582


 38.7599, 0.3936,  
0.3487

 24.1482, 0.5048,  
0.3606


 45.4373, 0.3658,  
0.3431


 20.9327, 0.5461,  
0.3603


 53.0859, 0.3426,  
0.3375


 18.4580, 0.5831,  
0.3564


 61.7427, 0.3234,  
0.3322

 16.6612, 0.6111,  
0.3492

 71.4427, 0.3075,  
0.3273

 16.1745, 0.6190,  
0.3467

 82.2193, 0.2944,  
0.3228

 93.1823, 0.2888,  
0.3289

# Harmonies

## Analogous

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



33.0128, 0.3972, 0.3094



33.0128, 0.4264, 0.3539



33.0128, 0.4210, 0.3971

# Triad

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



33.0128, 0.4264, 0.3539



33.0128, 0.2763, 0.3991



33.0128, 0.2388, 0.2381

# Complementary

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



33.0128, 0.4264, 0.3539



47.5539, 0.2461, 0.3014

# 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.



33.0128, 0.2133, 0.2513



33.0128, 0.4264, 0.3539



33.0128, 0.2328, 0.3421

# Square

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



33.0128, 0.4264, 0.3539



33.0128, 0.3321, 0.4321



33.0128, 0.2110, 0.2872



33.0128, 0.2849, 0.2459



# Rectangle

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



33.0128, 0.4264, 0.3539



33.0128, 0.4000, 0.4201



33.0128, 0.2110, 0.2872



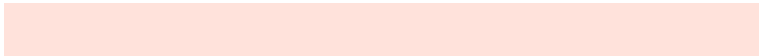
33.0128, 0.2278, 0.2401

# Sweetspot

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



33.0144, 0.4264, 0.3539



81.0287, 0.3377, 0.3362



30.6422, 0.3388, 0.2360



16.7754, 0.3422, 0.3374



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.



33.0144, 0.4264, 0.3539



41.4266, 0.4641, 0.3582



50.3684, 0.3965, 0.4121



12.8196, 0.3286, 0.3337



9.7980, 0.6168, 0.3485



0.7097, 0.5837, 0.3748



# Inverse Universe

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



47.5539, 0.2461, 0.3014



65.2857, 0.2347, 0.2943



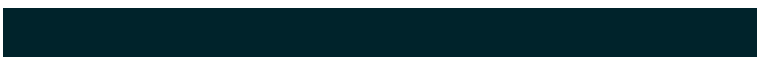
28.7967, 0.2328, 0.2276



13.6656, 0.2983, 0.3242



20.7198, 0.2066, 0.2638



1.3595, 0.2101, 0.2763



# Previews

## White Background



This preview shows how the Yxy color 33.0128, 0.4264, 0.3539 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 33.0128, 0.4264, 0.3539 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

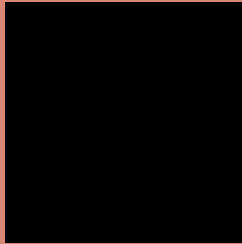
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.0128, 0.4264, 0.3539**

## Background



This preview shows how black text looks on a background with the Yxy color 33.0128, 0.4264, 0.3539.



This preview shows how white text looks on a background with the Yxy color 33.0128, 0.4264, 0.3539.

# 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

33.0128, 0.4264, 0.3539

### Protanopia

33.3392, 0.3533, 0.3769

### Deuteranopia

32.9790, 0.3890, 0.3809



## Tritanopia

32.9074, 0.4002, 0.3170

# Trichromacy



## Original Color

33.0128, 0.4264, 0.3539

## Protanomaly

32.7506, 0.3791, 0.3672

## Deuteranomaly

32.8745, 0.4028, 0.3707

## Tritanomaly

32.7674, 0.4094, 0.3293

# Monochromacy



## Original Color

33.0128, 0.4264, 0.3539

## Achromatopsia

33.7164, 0.3127, 0.3290

## Achromatomaly

32.9129, 0.3502, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.0128, 0.4264, 0.3539 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(215, 135, 115)` looks like.

```
.text, #text, p{  
    color:rgb(215, 135, 115)  
}
```

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(215, 135, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 135, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 33.0128, 0.4264, 0.3539 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(215, 135, 115) }
```

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

```
.border{ border-color:rgb(215, 135, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 135, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 135, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 135, 115);  
box-shadow:4px 4px 4px 4px rgb(215, 135,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.0128, 0.4264, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 135, 115) }
```

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

```
.background{ background-color: rgb(215,  
135, 115) }
```

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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