

# Converting Colors

$Y_{xy}(34.9760, 0.4171, 0.3708)$

Have a look what the booklet for  
Yxy(34.9760, 0.4171, 0.3708)  
contains.

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# Color

**Yxy(34.9760, 0.4171, 0.3708)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D19170
RGB	209, 145, 112
RGB Percent	82%, 57%, 44%
CMY	0.1804, 0.4313, 0.5608
CMYK	0.00, 0.31, 0.46, 0.18
HSL	20°, 51%, 63%
HSV	20°, 46%, 82%
XYZ	39.3433, 34.9760, 20.0065
YIQ	160.3740, 48.7370, 3.3050

# Conversions

## Conversions Part 2

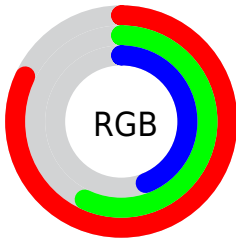
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 162, 112
Decimal	13734256
CIE Lab	65.73, 20.35, 27.21
CIE LCh	66, 33.979, 53.212
Yxy	34.9760, 0.4171, 0.3708
Android (android.graphics.Color)	4291924336 (0xFFD19170)
YUV	160.3740, -23.8484, 42.6450
Hunter-Lab	59.1405, 15.2514, 21.3413

# Details

The Yxy color **34.9760, 0.4171, 0.3708** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.0932, 0.2427, 0.2815**, and the grayscale version is **35.4318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7872, 0.3859, 0.3657**, and **15.0510, 0.4498, 0.3787** is the 20% darker color. If you saturate the color by 10%, you get **30.6037, 0.4494, 0.3785**, and if you desaturate by 10%, it is **39.9712, 0.3882, 0.3619**.

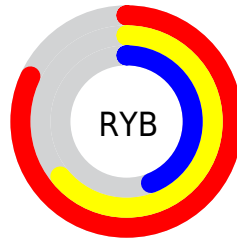
# Distribution



Red (82%)

Green (57%)

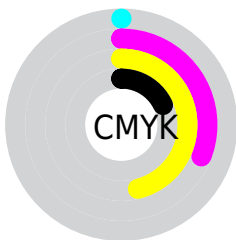
Blue (44%)



Red (82%)

Yellow (64%)

Blue (44%)

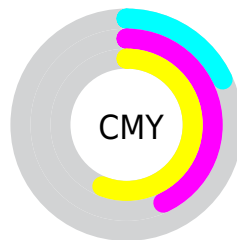


Cyan (0%)

Magenta (31%)

Yellow (46%)

Black (18%)



Cyan (18%)

Magenta (43%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.9760, 0.4171, 0.3708 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 34.9760, 0.4171, 0.3708 by changing the saturation by 10% instead.





 34.9760, 0.4171,  
0.3708


 34.9760, 0.4171,  
0.3708


324.4624, 0.3622,  
0.3513

 23.6444, 0.4314,  
0.3749


 67.4486, 0.3966,  
0.3642


 15.0700, 0.4500,  
0.3796


 89.3584, 0.3891,  
0.3616

 8.8686, 0.4750,  
0.3845


 115.5630, 0.3828,  
0.3593

 4.6555, 0.5096,  
0.3887

 146.4468, 0.3774,  
0.3573

 2.0466, 0.5903,  
0.4097

182.3943, 0.3728,  
0.3555

 0.6343, 0.6398,  
0.3602

223.7898, 0.3688,

 0.0000, 1.0000,

0.3540

0.0000

271.0177, 0.3653,  
0.3526

0.0000, 0.0000,  
0.0000

34.9760, 0.4171,  
0.3708

34.9760, 0.4171,  
0.3708

30.6037, 0.4494,  
0.3785

39.9712, 0.3882,  
0.3619

26.8232, 0.4840,  
0.3839

45.6082, 0.3630,  
0.3525

23.6085, 0.5191,  
0.3858


51.9116, 0.3414,  
0.3432


20.9290, 0.5517,  
0.3829

58.9030, 0.3230,  
0.3344


18.7498, 0.5787,  
0.3751

66.6029, 0.3074,  
0.3261

 18.0765, 0.5874,  
0.3718

 75.0311, 0.2942,  
0.3185

 83.9923, 0.2847,  
0.3149

 92.2944, 0.2855,  
0.3289

# Harmonies

## Analogous

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



34.9760, 0.4043, 0.3297



34.9760, 0.4171, 0.3708



34.9760, 0.3993, 0.4061

# Triad

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



34.9760, 0.4171, 0.3708



34.9760, 0.2602, 0.3702



34.9760, 0.2626, 0.2470

# Complementary

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



34.9760, 0.4171, 0.3708



39.0932, 0.2427, 0.2815

# 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.



34.9760, 0.2301, 0.2505



34.9760, 0.4171, 0.3708



34.9760, 0.2285, 0.3175

# Square

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



34.9760, 0.4171, 0.3708



34.9760, 0.3075, 0.4117



34.9760, 0.2182, 0.2744



34.9760, 0.3110, 0.2618



# Rectangle

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



34.9760, 0.4171, 0.3708



34.9760, 0.3740, 0.4207



34.9760, 0.2182, 0.2744



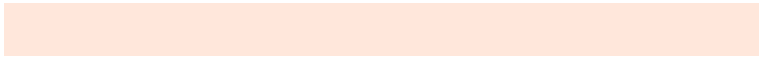
34.9760, 0.2497, 0.2460

# Sweetspot

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



34.9777, 0.4171, 0.3708



83.7938, 0.3370, 0.3412



28.3038, 0.3537, 0.2503



17.4427, 0.3413, 0.3432



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.



34.9777, 0.4171, 0.3708



47.8529, 0.4502, 0.3787



52.7884, 0.3891, 0.4257



12.4565, 0.3282, 0.3370



11.3112, 0.5847, 0.3739



0.7783, 0.5490, 0.4023



# Inverse Universe

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



39.0932, 0.2427, 0.2815



55.0151, 0.2292, 0.2688



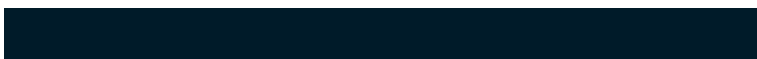
23.5297, 0.2296, 0.2083



12.7012, 0.2983, 0.3209



14.2128, 0.1929, 0.2145



0.9387, 0.1994, 0.2380



# Previews

## White Background



This preview shows how the Yxy color 34.9760, 0.4171, 0.3708 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 34.9760, 0.4171, 0.3708 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

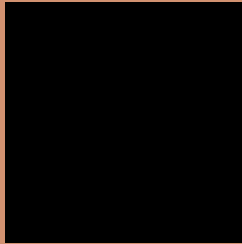
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.9760, 0.4171, 0.3708**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.9760, 0.4171, 0.3708.



This preview shows how white text looks on a background with the Yxy color 34.9760, 0.4171, 0.3708.

# 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

34.9760, 0.4171, 0.3708

### Protanopia

35.2203, 0.3639, 0.3901

### Deuteranopia

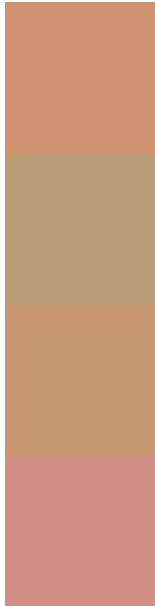
34.9846, 0.3953, 0.3874



## Tritanopia

34.9552, 0.3808, 0.3167

# Trichromacy



**Original Color**

34.9760, 0.4171, 0.3708

**Protanomaly**

35.0179, 0.3819, 0.3834

**Deuteranomaly**

34.9662, 0.4035, 0.3806

**Tritanomaly**

34.9725, 0.3947, 0.3368

# Monochromacy



**Original Color**

34.9760, 0.4171, 0.3708

**Achromatopsia**

35.1533, 0.3127, 0.3290

**Achromatomaly**

34.8908, 0.3476, 0.3461

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.9760, 0.4171, 0.3708 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(209, 145, 112)` looks like.

```
.text, #text, p{  
    color:rgb(209, 145, 112)  
}
```

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(209, 145, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 145, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 34.9760, 0.4171, 0.3708 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(209, 145, 112) }
```

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

```
.border{ border-color:rgb(209, 145, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 145, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 145, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 145, 112);  
box-shadow:4px 4px 4px 4px rgb(209, 145,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.9760, 0.4171, 0.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 145, 112) }
```

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

```
.background{ background-color: rgb(209,  
145, 112) }
```

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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