

# Converting Colors

$Yxy(34.8303, 0.4235, 0.3822)$

Have a look what the booklet for  
Yxy(34.8303, 0.4235, 0.3822)  
contains.

<b>Yxy(34.8226, 0.4226, 0.3822)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(34.8226, 0.4226, 0.3822)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF9268
RGB	207, 146, 104
RGB Percent	81%, 57%, 41%
CMY	0.1883, 0.4274, 0.5922
CMYK	0.00, 0.29, 0.50, 0.19
HSL	24°, 52%, 61%
HSV	24°, 50%, 81%
XYZ	38.5035, 34.8226, 17.7849
YIQ	159.4510, 49.8380, -0.1300

# Conversions

## Conversions Part 2

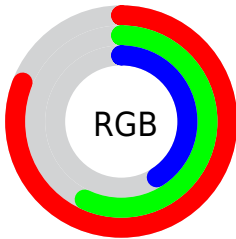
Format	Color
R <sub>Y</sub> B	207, 175, 104
Decimal	13603432
CIE Lab	65.61, 18.19, 31.38
CIE LCh	66, 36.273, 59.896
Yxy	34.8226, 0.4226, 0.3822
Android (android.graphics.Color)	4291793512 (0xFFCF9268)
YUV	159.4510, -27.3373, 41.7005
Hunter-Lab	59.0107, 13.1996, 23.4384

# Details

The Yxy color **34.8226, 0.4226, 0.3822** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.3347, 0.2361, 0.2666**, and the grayscale version is **34.9991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9689, 0.3918, 0.3749**, and **14.9540, 0.4569, 0.3930** is the 20% darker color. If you saturate the color by 10%, you get **30.8769, 0.4531, 0.3909**, and if you desaturate by 10%, it is **39.2797, 0.3945, 0.3718**.

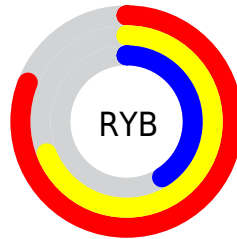
# Distribution



Red (81%)

Green (57%)

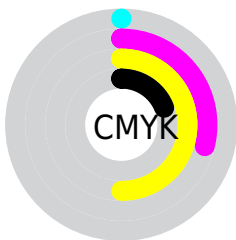
Blue (41%)



Red (81%)

Yellow (69%)

Blue (41%)

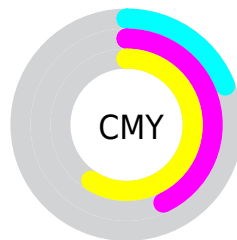


Cyan (0%)

Magenta (29%)

Yellow (50%)

Black (19%)



Cyan (19%)

Magenta (43%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8226, 0.4226, 0.3822 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 34.8226, 0.4226, 0.3822 by changing the saturation by 10% instead.





 34.8226, 0.4226,  
0.3822


 34.8226, 0.4226,  
0.3822


323.7846, 0.3651,  
0.3571

 23.5263, 0.4374,  
0.3875


 67.2109, 0.4013,  
0.3737

 14.9826, 0.4564,  
0.3936


 89.0716, 0.3934,  
0.3703

 8.8072, 0.4816,  
0.4002


 115.2225, 0.3868,  
0.3673

 4.6156, 0.5155,  
0.4059

 146.0481, 0.3811,  
0.3648

 2.0235, 0.5806,  
0.4194

181.9327, 0.3763,  
0.3625

 0.6211, 0.6282,  
0.3718


223.2607, 0.3721,

 0.0000, 0.0000,


0.3605

0.0000


270.4165, 0.3684,  
0.3587


 34.8226, 0.4226,  
0.3822

 34.8226, 0.4226,  
0.3822


 30.8769, 0.4531,  
0.3909


 39.2797, 0.3945,  
0.3718


 27.4171, 0.4850,  
0.3968

 44.2620, 0.3695,  
0.3607

 24.4227, 0.5162,  
0.3985


 49.7892, 0.3476,  
0.3496

 21.8693, 0.5444,  
0.3950

 55.8784, 0.3286,  
0.3389


 19.7233, 0.5681,  
0.3869


 62.5457, 0.3124,  
0.3288

 19.6758, 0.5686,  
0.3867

 69.8066, 0.2984,  
0.3194

 77.6759, 0.2864,  
0.3107

 85.1941, 0.2837,  
0.3175

 92.0015, 0.2843,  
0.3289

# Harmonies

## Analogous

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



34.8226, 0.4166, 0.3390



34.8226, 0.4226, 0.3822



34.8226, 0.3969, 0.4173

# Triad

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



34.8226, 0.4226, 0.3822



34.8226, 0.2473, 0.3606



34.8226, 0.2695, 0.2440

# Complementary

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



34.8226, 0.4226, 0.3822



34.3347, 0.2361, 0.2666

# 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.



34.8226, 0.2308, 0.2429



34.8226, 0.4226, 0.3822



34.8226, 0.2186, 0.3046

# Square

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



34.8226, 0.4226, 0.3822



34.8226, 0.2947, 0.4104



34.8226, 0.2132, 0.2630



34.8226, 0.3235, 0.2634



# Rectangle

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



34.8226, 0.4226, 0.3822



34.8226, 0.3669, 0.4297



34.8226, 0.2132, 0.2630



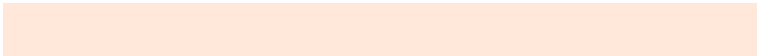
34.8226, 0.2545, 0.2414

# Sweetspot

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



34.8243, 0.4226, 0.3822



84.1735, 0.3386, 0.3447



25.9045, 0.3664, 0.2529



17.5771, 0.3427, 0.3470



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.



34.8243, 0.4226, 0.3822



48.9297, 0.4562, 0.3916



54.0453, 0.3907, 0.4389



12.5892, 0.3280, 0.3385



12.5759, 0.5662, 0.3886



0.8575, 0.5331, 0.4149



# Inverse Universe

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



34.3347, 0.2361, 0.2666



47.9883, 0.2212, 0.2498



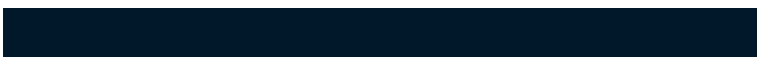
19.5450, 0.2210, 0.1877



12.5641, 0.2983, 0.3193



11.8782, 0.1862, 0.1905



0.8181, 0.1940, 0.2185



# Previews

## White Background



This preview shows how the Yxy color 34.8226, 0.4226, 0.3822 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

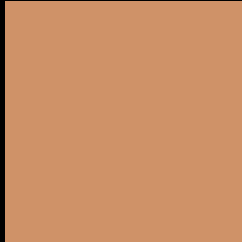
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.8226, 0.4226, 0.3822 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

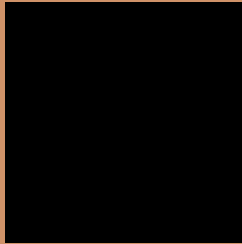
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.8226, 0.4226, 0.3822**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.8226, 0.4226, 0.3822.



This preview shows how white text looks on a background with the Yxy color 34.8226, 0.4226, 0.3822.

# 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

34.8226, 0.4226, 0.3822

### Protanopia

35.1300, 0.3733, 0.4027

### Deuteranopia

34.9682, 0.4031, 0.3962



## Tritanopia

34.8394, 0.3787, 0.3154

# Trichromacy



## Original Color

34.8226, 0.4226, 0.3822

## Protanomaly

34.8185, 0.3906, 0.3956

## Deuteranomaly

34.6623, 0.4104, 0.3910

## Tritanomaly

34.7689, 0.3958, 0.3394

# Monochromacy



## Original Color

34.8226, 0.4226, 0.3822

## Achromatopsia

34.6704, 0.3127, 0.3290

## Achromatomaly

34.2054, 0.3498, 0.3506

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.8226, 0.4226, 0.3822 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(207, 146, 104)` looks like.

```
.text, #text, p{  
    color:rgb(207, 146, 104)  
}
```

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(207, 146, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 146, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 34.8226, 0.4226, 0.3822 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(207, 146, 104) }
```

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

```
.border{ border-color:rgb(207, 146, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 146, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 146, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 146, 104);  
box-shadow:4px 4px 4px 4px rgb(207, 146,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.8226, 0.4226, 0.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 146, 104) }
```

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

```
.background{ background-color: rgb(207,  
146, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor