

# Converting Colors

$Yxy(32.9966, 0.4083, 0.3739)$

Have a look what the booklet for  
Yxy(32.9966, 0.4083, 0.3739)  
contains.

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# Color

**Yxy(33.0781, 0.4082, 0.3742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6906E
RGB	198, 144, 110
RGB Percent	78%, 56%, 43%
CMY	0.2234, 0.4353, 0.5686
CMYK	0.00, 0.27, 0.44, 0.22
HSL	23°, 44%, 60%
HSV	23°, 44%, 78%
XYZ	36.0836, 33.0781, 19.2352
YIQ	156.2700, 43.0980, 0.8740

# Conversions

## Conversions Part 2

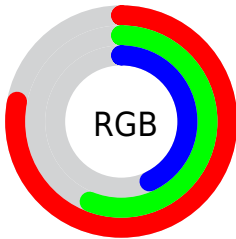
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 165, 110
Decimal	13013102
CIELab	64.22, 16.25, 26.10
CIELCh	64, 30.742, 58.090
Yxy	33.0781, 0.4082, 0.3742
Android (android.graphics.Color)	4291203182 (0xFFC6906E)
YUV	156.2700, -22.8111, 36.5972
Hunter-Lab	57.5136, 11.3409, 20.4302

# Details

The Yxy color **33.0781, 0.4082, 0.3742** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.9628, 0.2446, 0.2777**, and the grayscale version is **33.4636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2568, 0.3878, 0.3667**, and **13.9273, 0.4394, 0.3840** is the 20% darker color. If you saturate the color by 10%, you get **29.2089, 0.4381, 0.3834**, and if you desaturate by 10%, it is **37.4435, 0.3813, 0.3639**.

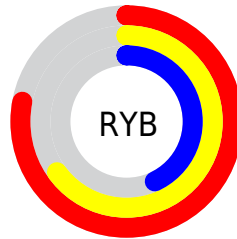
# Distribution



Red (78%)

Green (56%)

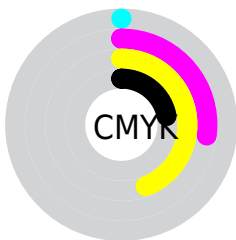
Blue (43%)



Red (78%)

Yellow (65%)

Blue (43%)

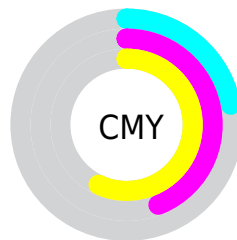


Cyan (0%)

Magenta (27%)

Yellow (44%)

Black (22%)



Cyan (22%)

Magenta (44%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0781, 0.4082, 0.3742 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 33.0781, 0.4082, 0.3742 by changing the saturation by 10% instead.





 33.0781, 0.4082,  
0.3742


 33.0781, 0.4082,  
0.3742


316.0015, 0.3576,  
0.3523

 22.1863, 0.4216,  
0.3791


 64.4974, 0.3892,  
0.3666


 13.9938, 0.4391,  
0.3850


 85.7938, 0.3823,  
0.3636

 8.1164, 0.4627,  
0.3918


 111.3270, 0.3764,  
0.3610

 4.1695, 0.4959,  
0.3988

 141.4816, 0.3715,  
0.3588

 1.7688, 0.5749,  
0.4251

176.6420, 0.3673,  
0.3569

 0.4676, 0.6427,  
0.3573

217.1925, 0.3636,

 0.0000, 0.0000,

0.3552

0.0000

263.5175, 0.3604,  
0.3537

■ 33.0781, 0.4082,  
0.3742

■ 33.0781, 0.4082,  
0.3742

■ 29.2089, 0.4381,  
0.3834

■ 37.4435, 0.3813,  
0.3639

■ 25.8122, 0.4703,  
0.3904

■ 42.3183, 0.3577,  
0.3534

■ 22.8691, 0.5032,  
0.3941


■ 47.7208, 0.3372,  
0.3430


■ 20.3572, 0.5343,  
0.3932


■ 53.6671, 0.3197,  
0.3332


■ 18.2516, 0.5612,  
0.3870

■ 60.1726, 0.3047,  
0.3240

 17.2423, 0.5744,  
0.3822

 67.2519, 0.2919,  
0.3155

 74.9190, 0.2809,  
0.3077

 82.2921, 0.2784,  
0.3143

 89.7422, 0.2793,  
0.3272

# Harmonies

## Analogous

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



33.0781, 0.4009, 0.3363



33.0781, 0.4082, 0.3742



33.0781, 0.3880, 0.4046

# Triad

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



33.0781, 0.4082, 0.3742



33.0781, 0.2583, 0.3592



33.0781, 0.2730, 0.2539

# Complementary

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



33.0781, 0.4082, 0.3742



33.9628, 0.2446, 0.2777

# 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.



33.0781, 0.2397, 0.2545



33.0781, 0.4082, 0.3742



33.0781, 0.2316, 0.3114

# Square

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



33.0781, 0.4082, 0.3742



33.0781, 0.3005, 0.4001



33.0781, 0.2253, 0.2739



33.0781, 0.3194, 0.2701



# Rectangle

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



33.0781, 0.4082, 0.3742



33.0781, 0.3629, 0.4153



33.0781, 0.2253, 0.2739



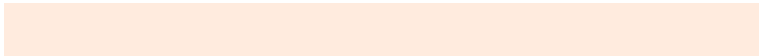
33.0781, 0.2600, 0.2521

# Sweetspot

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



33.0797, 0.4082, 0.3742



85.7411, 0.3349, 0.3418



25.8539, 0.3566, 0.2590



17.8701, 0.3391, 0.3440



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.



33.0797, 0.4082, 0.3742



52.1274, 0.4361, 0.3828



49.0028, 0.3832, 0.4263



11.2971, 0.3280, 0.3380



11.3632, 0.5720, 0.3841



0.6779, 0.5332, 0.4149



# Inverse Universe

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



33.9628, 0.2446, 0.2777



53.8311, 0.2315, 0.2646



20.8928, 0.2326, 0.2079



11.3533, 0.2984, 0.3199



11.8033, 0.1885, 0.1986



0.6962, 0.1969, 0.2288



# Previews

## White Background



This preview shows how the Yxy color 33.0781, 0.4082, 0.3742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

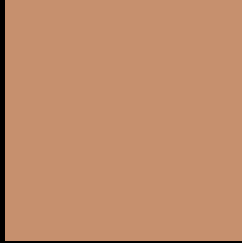
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.0781, 0.4082, 0.3742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

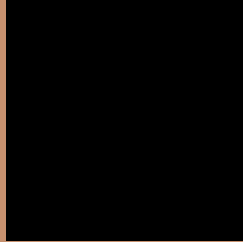
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.0781, 0.4082, 0.3742**

## Background



This preview shows how black text looks on a background with the Yxy color 33.0781, 0.4082, 0.3742.



This preview shows how white text looks on a background with the Yxy color 33.0781, 0.4082, 0.3742.

# 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

33.0781, 0.4082, 0.3742

### Protanopia

33.2302, 0.3631, 0.3902

### Deuteranopia

33.0381, 0.3932, 0.3848



## Tritanopia

33.1917, 0.3716, 0.3161

# Trichromacy



## Original Color

33.0781, 0.4082, 0.3742

## Protanomaly

33.1137, 0.3788, 0.3851

## Deuteranomaly

32.9187, 0.3987, 0.3812

## Tritanomaly

33.2165, 0.3855, 0.3371

# Monochromacy



## Original Color

33.0781, 0.4082, 0.3742

## Achromatopsia

33.2452, 0.3127, 0.3290

## Achromatomaly

32.9785, 0.3450, 0.3481

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.0781, 0.4082, 0.3742 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(198, 144, 110)` looks like.

```
.text, #text, p{  
    color:rgb(198, 144, 110)  
}
```

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(198, 144, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 144, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 33.0781, 0.4082, 0.3742 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(198, 144, 110) }
```

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

```
.border{ border-color:rgb(198, 144, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 144, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 144, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 144, 110); box-shadow:4px 4px 4px 4px rgb(198, 144, 110) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.0781, 0.4082, 0.3742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 144, 110) }
```

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

```
.background{ background-color: rgb(198,  
144, 110) }
```

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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