

# Converting Colors

$Y_{xy}(29.0392, 0.4082, 0.3710)$

Have a look what the booklet for  
Yxy(29.0392, 0.4082, 0.3710)  
contains.

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**Color**

**Yxy(29.0392, 0.4082, 0.3710)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BC8769
RGB	188, 135, 105
RGB Percent	74%, 53%, 41%
CMY	0.2628, 0.4706, 0.5883
CMYK	0.00, 0.28, 0.44, 0.26
HSL	22°, 38%, 57%
HSV	22°, 44%, 74%
XYZ	31.9509, 29.0392, 17.2826
YIQ	147.4270, 41.2180, 1.9060

# Conversions

## Conversions Part 2

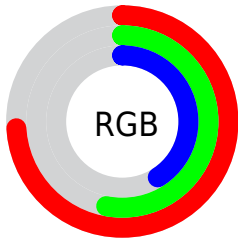
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">188, 152, 105</a>
Decimal	<a href="#">12355433</a>
CIELab	<a href="#">60.82, 16.55, 24.15</a>
CIElCh	<a href="#">61, 29.282, 55.576</a>
Yxy	<a href="#">29.0392, 0.4082, 0.3710</a>
Android (android.graphics.Color)	<a href="#">4290545513</a> ( <a href="#">0xFFBC8769</a> )
YUV	<a href="#">147.4270, -20.9165, 35.5825</a>
Hunter-Lab	<a href="#">53.8880, 11.5310, 18.7065</a>

# Details

The Yxy color **29.0392, 0.4082, 0.3710** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **31.0776, 0.2458, 0.2816**, and the grayscale version is **29.4395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9596, 0.3891, 0.3638**, and **11.6979, 0.4410, 0.3821** is the 20% darker color. If you saturate the color by 10%, you get **25.5335, 0.4387, 0.3796**, and if you desaturate by 10%, it is **33.0106, 0.3809, 0.3614**.

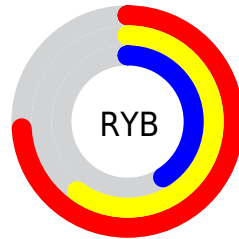
# Distribution



Red (74%)

Green (53%)

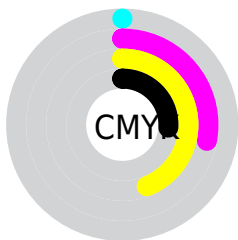
Blue (41%)



Red (74%)

Yellow (60%)

Blue (41%)

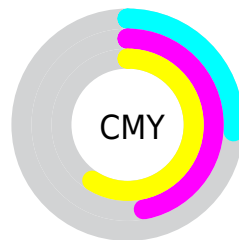


Cyan (0%)

Magenta (28%)

Yellow (44%)

Black (26%)



Cyan (26%)

Magenta (47%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0392, 0.4082, 0.3710 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 29.0392, 0.4082, 0.3710 by changing the saturation by 10% instead.




 29.0392, 0.4082,  
0.3710


 29.0392, 0.4082,  
0.3710


297.3999, 0.3565,  
0.3503


 19.1105, 0.4223,  
0.3757


 58.1394, 0.3885,  
0.3637

 11.7501, 0.4411,  
0.3814


 78.0796, 0.3814,  
0.3609

 6.5738, 0.4669,  
0.3878


 102.1258, 0.3755,  
0.3585

 3.1970, 0.5046,  
0.3942

 130.6623, 0.3705,  
0.3564

 1.2354, 0.5868,  
0.4132

164.0736, 0.3662,  
0.3546

 0.0904, 0.8443,  
0.1557

202.7440, 0.3625,

 0.0000, 0.0000,

0.3530

0.0000

247.0580, 0.3593,  
0.3516

■ 29.0392, 0.4082,  
0.3710

■ 29.0392, 0.4082,  
0.3710

■ 25.5335, 0.4387,  
0.3796

■ 33.0106, 0.3809,  
0.3614

■ 22.4712, 0.4718,  
0.3862

■ 37.4606, 0.3572,  
0.3515

■ 19.8340, 0.5057,  
0.3896


■ 42.4067, 0.3367,  
0.3418


■ 17.6009, 0.5381,  
0.3885


■ 47.8643, 0.3192,  
0.3326


■ 15.7478, 0.5660,  
0.3823

■ 53.8479, 0.3043,  
0.3241

 14.8235, 0.5804,  
0.3773

 60.3716, 0.2916,  
0.3162

 67.4489, 0.2807,  
0.3089

 75.0680, 0.2717,  
0.3027

 82.0178, 0.2729,  
0.3160

# Harmonies

## Analogous

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



29.0392, 0.3985, 0.3331



29.0392, 0.4082, 0.3710



29.0392, 0.3902, 0.4023

# Triad

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



29.0392, 0.4082, 0.3710



29.0392, 0.2616, 0.3630



29.0392, 0.2698, 0.2537

# Complementary

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



29.0392, 0.4082, 0.3710



31.0776, 0.2458, 0.2816

# 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.



29.0392, 0.2381, 0.2557



29.0392, 0.4082, 0.3710



29.0392, 0.2335, 0.3153

# Square

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



29.0392, 0.4082, 0.3710



29.0392, 0.3045, 0.4021



29.0392, 0.2254, 0.2766



29.0392, 0.3152, 0.2685



# Rectangle

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



29.0392, 0.4082, 0.3710



29.0392, 0.3662, 0.4141



29.0392, 0.2254, 0.2766



29.0392, 0.2573, 0.2523

# Sweetspot

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



29.0406, 0.4082, 0.3710



77.7522, 0.3349, 0.3409



23.2926, 0.3524, 0.2562



16.2725, 0.3391, 0.3430



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.0406, 0.4082, 0.3710



46.4493, 0.4378, 0.3794



42.5814, 0.3840, 0.4223



10.0861, 0.3280, 0.3374



10.2233, 0.5782, 0.3791



0.5260, 0.5322, 0.4156



# Inverse Universe

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



31.0776, 0.2458, 0.2816



50.5604, 0.2325, 0.2690



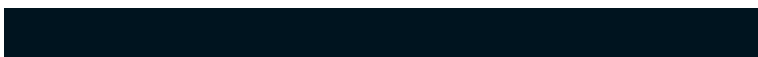
19.4585, 0.2343, 0.2139



10.2133, 0.2985, 0.3205



11.7639, 0.1910, 0.2075



0.5808, 0.2000, 0.2400



# Previews

## White Background



This preview shows how the Yxy color 29.0392, 0.4082, 0.3710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

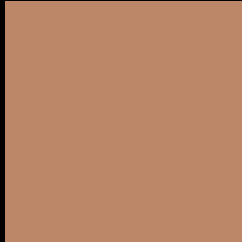
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 29.0392, 0.4082, 0.3710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

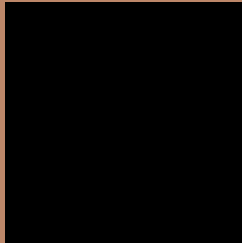
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.0392, 0.4082, 0.3710**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.0392, 0.4082, 0.3710.



This preview shows how white text looks on a background with the Yxy color 29.0392, 0.4082, 0.3710.

# 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

29.0392, 0.4082, 0.3710

### Protanopia

29.2623, 0.3619, 0.3872

### Deuteranopia

29.1632, 0.3907, 0.3836



## Tritanopia

28.9351, 0.3729, 0.3154

# Trichromacy



## Original Color

29.0392, 0.4082, 0.3710

## Protanomaly

29.1626, 0.3784, 0.3820

## Deuteranomaly

29.1680, 0.3976, 0.3796

## Tritanomaly

28.9820, 0.3864, 0.3362

# Monochromacy



## Original Color

29.0392, 0.4082, 0.3710

## Achromatopsia

29.1771, 0.3127, 0.3290

## Achromatomaly

28.9922, 0.3448, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.0392, 0.4082, 0.3710 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(188, 135, 105)` looks like.

```
.text, #text, p{  
    color:rgb(188, 135, 105)  
}
```

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(188, 135, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 135, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 29.0392, 0.4082, 0.3710 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(188, 135, 105) }
```

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

```
.border{ border-color:rgb(188, 135, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 135, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 135, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 135, 105);  
box-shadow:4px 4px 4px 4px rgb(188, 135,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.0392, 0.4082, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 135, 105) }
```

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

```
.background{ background-color: rgb(188,  
135, 105) }
```

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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