

# Converting Colors

$Y_{xy}(28.1233, 0.4546, 0.3804)$

Have a look what the booklet for  
Yxy(28.1233, 0.4546, 0.3804)  
contains.

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**Color**

**Yxy(28.2741, 0.4541, 0.3807)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB7E55
RGB	203, 126, 85
RGB Percent	80%, 49%, 33%
CMY	0.2040, 0.5058, 0.6668
CMYK	0.00, 0.38, 0.58, 0.20
HSL	21°, 53%, 56%
HSV	21°, 58%, 80%
XYZ	33.7254, 28.2741, 12.2692
YIQ	144.3490, 59.0530, 3.5730

# Conversions

## Conversions Part 2

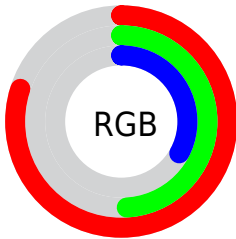
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 148, 85
Decimal	13336149
CIE <sub>Lab</sub>	60.14, 25.81, 34.67
CIE <sub>LCh</sub>	60, 43.218, 53.335
Yxy	28.2741, 0.4541, 0.3807
Android (android.graphics.Color)	4291526229 (0xFFCB7E55)
YUV	144.3490, -29.2591, 51.4369
Hunter-Lab	53.1734, 20.1608, 23.5408

# Details

The Yxy color **28.2741, 0.4541, 0.3807** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **32.0632, 0.2272, 0.2656**, and the grayscale version is **28.1408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2495, 0.4191, 0.3750**, and **11.3286, 0.5006, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **24.8326, 0.4886, 0.3858**, and if you desaturate by 10%, it is **32.2591, 0.4217, 0.3731**.

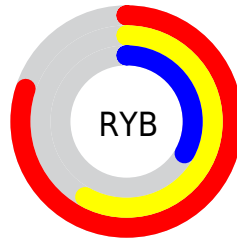
# Distribution



Red (80%)

Green (49%)

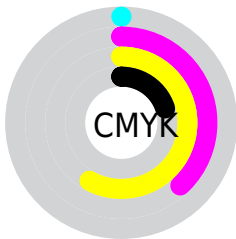
Blue (33%)



Red (80%)

Yellow (58%)

Blue (33%)

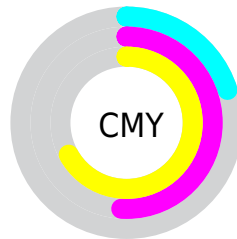


Cyan (0%)

Magenta (38%)

Yellow (58%)

Black (20%)



Cyan (20%)

Magenta (51%)


Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2741, 0.4541, 0.3807 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 28.2741, 0.4541, 0.3807 by changing the saturation by 10% instead.





 28.2741, 0.4541,  
0.3807

 28.2741, 0.4541,  
0.3807


293.7744, 0.3780,  
0.3576


 18.5324, 0.4742,  
0.3847


 56.9218, 0.4255,  
0.3734

 11.3329, 0.5001,  
0.3882


 76.5965, 0.4150,  
0.3703


 6.2912, 0.5341,  
0.3897


 100.3510, 0.4062,  
0.3675

 3.0229, 0.6006,  
0.3989

 128.5697, 0.3988,  
0.3651

 1.1437, 0.6383,  
0.3617

 161.6370, 0.3925,  
0.3629

 0.0150, 0.9772,  
0.0228

199.9373, 0.3870,

 0.0000, 0.0000,

0.3609

0.0000

243.8549, 0.3822,  
0.3592

■ 28.2741, 0.4541,  
0.3807

■ 28.2741, 0.4541,  
0.3807

■ 24.8326, 0.4886,  
0.3858

■ 32.2591, 0.4217,  
0.3731

■ 21.9048, 0.5230,  
0.3871

■ 36.8071, 0.3924,  
0.3641

■ 19.4638, 0.5545,  
0.3835

■ 41.9415, 0.3668,  
0.3546

■ 17.4753, 0.5805,  
0.3753

■ 47.6834, 0.3448,  
0.3451

■ 17.1489, 0.5851,  
0.3737

■ 54.0524, 0.3259,  
0.3360

■ 61.0675, 0.3099,  
0.3275

■ 68.7466, 0.2963,  
0.3196

■ 77.1070, 0.2848,  
0.3123

■ 85.3227, 0.2815,  
0.3186

# Harmonies

## Analogous

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



28.2741, 0.4382, 0.3274



28.2741, 0.4541, 0.3807



28.2741, 0.4275, 0.4298

# Triad

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



28.2741, 0.4541, 0.3807



28.2741, 0.2407, 0.3857



28.2741, 0.2454, 0.2216

# Complementary

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



28.2741, 0.4541, 0.3807



32.0632, 0.2272, 0.2656

# 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.



28.2741, 0.2039, 0.2246



28.2741, 0.4541, 0.3807



28.2741, 0.2006, 0.3107

# Square

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



28.2741, 0.4541, 0.3807



28.2741, 0.3029, 0.4455



28.2741, 0.1885, 0.2536



28.2741, 0.3095, 0.2410



# Rectangle

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



28.2741, 0.4541, 0.3807



28.2741, 0.3924, 0.4528



28.2741, 0.1885, 0.2536



28.2741, 0.2287, 0.2200

# Sweetspot

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



28.2755, 0.4541, 0.3807



80.7839, 0.3429, 0.3443



21.8555, 0.3684, 0.2331



16.8499, 0.3471, 0.3462



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.



28.2755, 0.4541, 0.3807



40.1311, 0.4983, 0.3866



47.3478, 0.4079, 0.4464



11.8411, 0.3281, 0.3371



11.0700, 0.5826, 0.3756



0.7125, 0.5447, 0.4057



# Inverse Universe

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



32.0632, 0.2272, 0.2656



46.8839, 0.2128, 0.2487



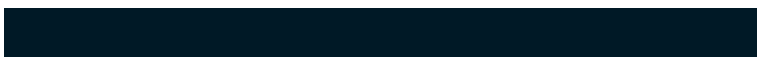
16.2723, 0.2069, 0.1724



12.0447, 0.2983, 0.3208



13.4921, 0.1922, 0.2120



0.8346, 0.1993, 0.2375



# Previews

## White Background



This preview shows how the Yxy color 28.2741, 0.4541, 0.3807 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

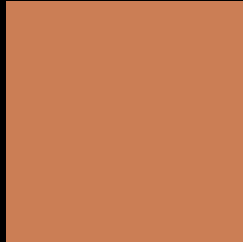
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 28.2741, 0.4541, 0.3807 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

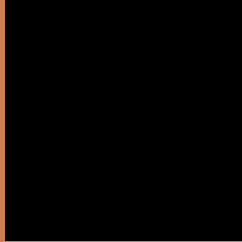
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.2741, 0.4541, 0.3807**

## Background



This preview shows how black text looks on a background with the Yxy color 28.2741, 0.4541, 0.3807.



This preview shows how white text looks on a background with the Yxy color 28.2741, 0.4541, 0.3807.

# 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

28.2741, 0.4541, 0.3807

### Protanopia

28.2926, 0.3810, 0.4121

### Deuteranopia

28.4215, 0.4171, 0.4104



## Tritanopia

28.1397, 0.4080, 0.3177

# Trichromacy



## Original Color

28.2741, 0.4541, 0.3807

## Protanomaly

27.8969, 0.4074, 0.4009

## Deuteranomaly

28.1138, 0.4305, 0.3990

## Tritanomaly

28.0905, 0.4262, 0.3409

# Monochromacy



## Original Color

28.2741, 0.4541, 0.3807

## Achromatopsia

27.8894, 0.3127, 0.3290

## Achromatomaly

27.3207, 0.3600, 0.3507

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.2741, 0.4541, 0.3807 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(203, 126, 85)` looks like.

```
.text, #text, p{  
    color:rgb(203, 126, 85)  
}
```

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(203, 126, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 126, 85) }
```

## Border

The CSS property to change the border of an element to Yxy 28.2741, 0.4541, 0.3807 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(203, 126, 85) }
```

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

```
.border{ border-color:rgb(203, 126, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 126, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 126, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 126, 85);  
box-shadow:4px 4px 4px 4px rgb(203, 126,  
85) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.2741, 0.4541, 0.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 126, 85) }
```

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

```
.background{ background-color: rgb(203,  
126, 85) }
```

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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