

# Converting Colors

$Y_{xy}(29.9954, 0.4461, 0.3919)$

Have a look what the booklet for  
Yxy(29.9954, 0.4461, 0.3919)  
contains.

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# **Color**

**Yxy(30.1078, 0.4460, 0.3925)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C98654
RGB	201, 134, 84
RGB Percent	79%, 53%, 33%
CMY	0.2118, 0.4745, 0.6707
CMYK	0.00, 0.33, 0.58, 0.21
HSL	26°, 52%, 56%
HSV	26°, 58%, 79%
XYZ	34.2117, 30.1078, 12.3883
YIQ	148.3330, 55.9820, -1.3460

# Conversions

## Conversions Part 2

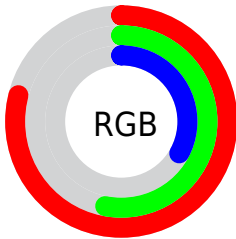
Format	Color
R <sub>Y</sub> B	201, 171, 84
Decimal	13207124
CIE Lab	61.75, 20.55, 37.13
CIE LCh	62, 42.443, 61.035
Yxy	30.1078, 0.4460, 0.3925
Android (android.graphics.Color)	4291397204 (0xFFC98654)
YUV	148.3330, -31.7162, 46.1890
Hunter-Lab	54.8706, 15.2708, 25.0233

# Details

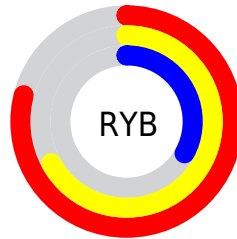
The Yxy color **30.1078, 0.4460, 0.3925** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **28.2199, 0.2238, 0.2501**, and the grayscale version is **29.8780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5499, 0.4148, 0.3831**, and **12.3139, 0.4864, 0.4039** is the 20% darker color. If you saturate the color by 10%, you get **26.8288, 0.4768, 0.3994**, and if you desaturate by 10%, it is **33.8262, 0.4166, 0.3830**.

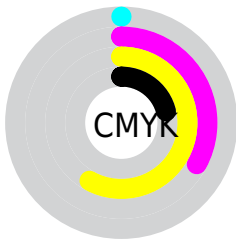
# Distribution



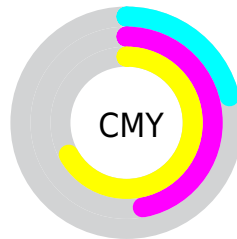
- Red (79%)
- Green (53%)
- Blue (33%)



- Red (79%)
- Yellow (67%)
- Blue (33%)



- Cyan (0%)
- Magenta (33%)
- Yellow (58%)
- Black (21%)




- Cyan (21%)
- Magenta (47%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1078, 0.4460, 0.3925 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 30.1078, 0.4460, 0.3925 by changing the saturation by 10% instead.





 30.1078, 0.4460,  
0.3925


 30.1078, 0.4460,  
0.3925


302.4066, 0.3753,  
0.3630


 19.9204, 0.4642,  
0.3982


 59.8326, 0.4197,  
0.3828

 12.3372, 0.4874,  
0.4041


 80.1388, 0.4100,  
0.3788

 6.9738, 0.5173,  
0.4090


 104.5868, 0.4018,  
0.3753

 3.4457, 0.5741,  
0.4228

 133.5609, 0.3949,  
0.3722

 1.3686, 0.6047,  
0.3953

 167.4456, 0.3889,  
0.3695

 0.1934, 0.7800,  
0.2200

206.6251, 0.3838,

 0.0000, 0.0000,

0.3671

0.0000

251.4840, 0.3793,  
0.3649

■ 30.1078, 0.4460,  
0.3925

■ 30.1078, 0.4460,  
0.3925

■ 26.8288, 0.4768,  
0.3994

■ 33.8262, 0.4166,  
0.3830

■ 23.9657, 0.5072,  
0.4022

■ 37.9972, 0.3896,  
0.3720

■ 21.4990, 0.5352,  
0.4001

■ 42.6384, 0.3655,  
0.3604

■ 19.4023, 0.5587,  
0.3928

■ 47.7656, 0.3443,  
0.3488

■ 19.0642, 0.5627,  
0.3914

■ 53.3932, 0.3259,  
0.3377

■ 59.5355, 0.3101,  
0.3272

■ 66.2057, 0.2964,  
0.3175

■ 73.4167, 0.2847,  
0.3085

■ 80.5292, 0.2798,  
0.3104

# Harmonies

## Analogous

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



30.1078, 0.4415, 0.3410



30.1078, 0.4460, 0.3925



30.1078, 0.4119, 0.4364

# Triad

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



30.1078, 0.4460, 0.3925



30.1078, 0.2310, 0.3649



30.1078, 0.2620, 0.2280

# Complementary

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



30.1078, 0.4460, 0.3925



28.2199, 0.2238, 0.2501

# 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.



30.1078, 0.2155, 0.2251



30.1078, 0.4460, 0.3925



30.1078, 0.1988, 0.2952

# Square

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



30.1078, 0.4460, 0.3925



30.1078, 0.2869, 0.4294



30.1078, 0.1939, 0.2467



30.1078, 0.3279, 0.2517



# Rectangle

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



30.1078, 0.4460, 0.3925



30.1078, 0.3745, 0.4530



30.1078, 0.1939, 0.2467



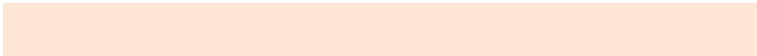
30.1078, 0.2439, 0.2245

# Sweetspot

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



30.1093, 0.4460, 0.3925



82.6929, 0.3424, 0.3477



21.0275, 0.3826, 0.2442



17.2985, 0.3464, 0.3500



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.



30.1093, 0.4460, 0.3925



44.5136, 0.4853, 0.4006



50.4265, 0.4013, 0.4560



11.3702, 0.3279, 0.3389



12.1607, 0.5603, 0.3933



0.7189, 0.5238, 0.4223



# Inverse Universe

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



28.2199, 0.2238, 0.2501



40.8876, 0.2079, 0.2290



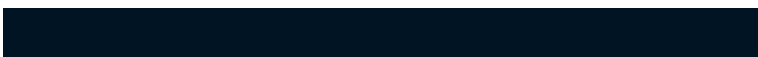
14.0556, 0.2036, 0.1575



11.2785, 0.2983, 0.3189



10.5539, 0.1845, 0.1840



0.6414, 0.1937, 0.2173



# Previews

## White Background



This preview shows how the Yxy color 30.1078, 0.4460, 0.3925 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

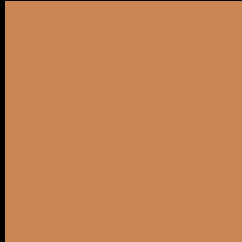
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.1078, 0.4460, 0.3925 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

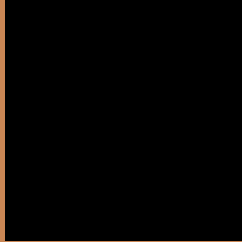
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.1078, 0.4460, 0.3925**

## Background



This preview shows how black text looks on a background with the Yxy color 30.1078, 0.4460, 0.3925.



This preview shows how white text looks on a background with the Yxy color 30.1078, 0.4460, 0.3925.

# 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

30.1078, 0.4460, 0.3925

### Protanopia

30.4434, 0.3867, 0.4195

### Deuteranopia

30.3214, 0.4206, 0.4131



## Tritanopia

30.2236, 0.3931, 0.3176

# Trichromacy



## Original Color

30.1078, 0.4460, 0.3925

## Protanomaly

29.9982, 0.4074, 0.4092

## Deuteranomaly

30.3278, 0.4299, 0.4052

## Tritanomaly

30.1106, 0.4141, 0.3449

# Monochromacy



## Original Color

30.1078, 0.4460, 0.3925

## Achromatopsia

29.6138, 0.3127, 0.3290

## Achromatomaly

29.3411, 0.3579, 0.3565

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.1078, 0.4460, 0.3925 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(201, 134, 84)` looks like.

```
.text, #text, p{  
    color:rgb(201, 134, 84)  
}
```

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(201, 134, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 134, 84) }
```

## Border

The CSS property to change the border of an element to Yxy 30.1078, 0.4460, 0.3925 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(201, 134, 84) }
```

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

```
.border{ border-color:rgb(201, 134, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 134, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 134, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 134, 84);  
box-shadow:4px 4px 4px 4px rgb(201, 134,  
84) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.1078, 0.4460, 0.3925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 134, 84) }
```

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

```
.background{ background-color: rgb(201,  
134, 84) }
```

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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