

# Converting Colors

$Y_{xy}(30.5628, 0.4319, 0.3729)$

Have a look what the booklet for  
Yxy(30.5628, 0.4319, 0.3729)  
contains.

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# Color

**Yxy(30.6668, 0.4312, 0.3729)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB8664
RGB	203, 134, 100
RGB Percent	80%, 53%, 39%
CMY	0.2038, 0.4746, 0.6078
CMYK	0.00, 0.34, 0.51, 0.20
HSL	20°, 50%, 59%
HSV	20°, 51%, 80%
XYZ	35.4613, 30.6668, 16.1106
YIQ	150.7550, 52.0380, 4.0540

# Conversions

## Conversions Part 2

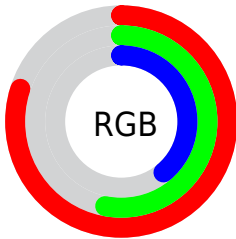
Format	Color
R <sub>Y</sub> B	203, 151, 100
Decimal	13338212
CIE Lab	62.23, 22.77, 29.09
CIE LCh	62, 36.942, 51.945
Yxy	30.6668, 0.4312, 0.3729
Android (android.graphics.Color)	4291528292 (0xFFCB8664)
YUV	150.7550, -25.0222, 45.8189
Hunter-Lab	55.3776, 17.3925, 21.5156

# Details

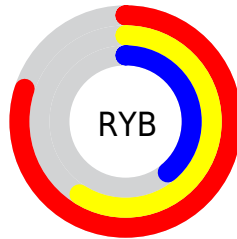
The Yxy color **30.6668, 0.4312, 0.3729** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **35.4225, 0.2373, 0.2780**, and the grayscale version is **30.9308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4608, 0.4010, 0.3679**, and **12.7087, 0.4695, 0.3808** is the 20% darker color. If you saturate the color by 10%, you get **26.8005, 0.4650, 0.3795**, and if you desaturate by 10%, it is **35.1181, 0.4005, 0.3646**.

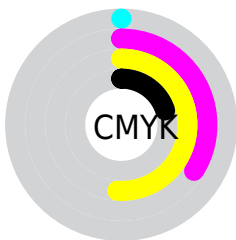
# Distribution



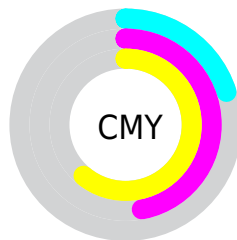
- Red (80%)
- Green (53%)
- Blue (39%)



- Red (80%)
- Yellow (59%)
- Blue (39%)



- Cyan (0%)
- Magenta (34%)
- Yellow (51%)
- Black (20%)




- Cyan (20%)
- Magenta (47%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6668, 0.4312, 0.3729 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 30.6668, 0.4312, 0.3729 by changing the saturation by 10% instead.




 30.6668, 0.4312,  
0.3729


 30.6668, 0.4312,  
0.3729


305.0003, 0.3677,  
0.3526


 20.3453, 0.4481,  
0.3769


 60.7151, 0.4073,  
0.3662

 12.6463, 0.4701,  
0.3812


 81.2106, 0.3985,  
0.3634

 7.1854, 0.4998,  
0.3850


 105.8663, 0.3913,  
0.3610

 3.5783, 0.5428,  
0.3873

 135.0665, 0.3851,  
0.3589

 1.4406, 0.6139,  
0.3861

169.1956, 0.3798,  
0.3571

 0.2464, 0.7623,  
0.2377


208.6380, 0.3752,

 0.0000, 0.0000,


0.3554


0.0000


253.7781, 0.3713,  
0.3540


 30.6668, 0.4312,  
0.3729


 30.6668, 0.4312,  
0.3729

 26.8005, 0.4650,  
0.3795


 35.1181, 0.4005,  
0.3646


 23.4890, 0.5006,  
0.3834


 40.1740, 0.3736,  
0.3557


 20.7058, 0.5354,  
0.3832

 45.8584, 0.3504,  
0.3466

 18.4200, 0.5663,  
0.3781

 52.1927, 0.3306,  
0.3378

 16.7100, 0.5898,  
0.3699

 59.1973, 0.3138,  
0.3296

■ 66.8915, 0.2997,  
0.3219

■ 75.2938, 0.2876,  
0.3149

■ 83.9335, 0.2813,  
0.3161

■ 91.4412, 0.2822,  
0.3289

# Harmonies

## Analogous

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



30.6668, 0.4155, 0.3270



30.6668, 0.4312, 0.3729



30.6668, 0.4117, 0.4138

# Triad

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



30.6668, 0.4312, 0.3729



30.6668, 0.2549, 0.3785



30.6668, 0.2541, 0.2370

# Complementary

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



30.6668, 0.4312, 0.3729



35.4225, 0.2373, 0.2780

# 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.



30.6668, 0.2190, 0.2413



30.6668, 0.4312, 0.3729



30.6668, 0.2189, 0.3177

# Square

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



30.6668, 0.4312, 0.3729



30.6668, 0.3085, 0.4255



30.6668, 0.2068, 0.2683



30.6668, 0.3079, 0.2527



# Rectangle

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



30.6668, 0.4312, 0.3729



30.6668, 0.3834, 0.4321



30.6668, 0.2068, 0.2683



30.6668, 0.2400, 0.2361

# Sweetspot

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



30.6683, 0.4312, 0.3729



82.4968, 0.3390, 0.3417



24.7364, 0.3567, 0.2418



17.1756, 0.3433, 0.3436



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.



30.6683, 0.4312, 0.3729



44.2207, 0.4688, 0.3801



47.9636, 0.3971, 0.4318



11.8079, 0.3282, 0.3367



10.7800, 0.5873, 0.3719



0.6949, 0.5488, 0.4024



# Inverse Universe

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



35.4225, 0.2373, 0.2780



52.9437, 0.2236, 0.2645



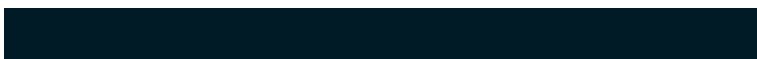
20.1941, 0.2217, 0.1979



12.0793, 0.2983, 0.3212



14.1328, 0.1940, 0.2184



0.8643, 0.2007, 0.2425



# Previews

## White Background



This preview shows how the Yxy color 30.6668, 0.4312, 0.3729 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 30.6668, 0.4312, 0.3729 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

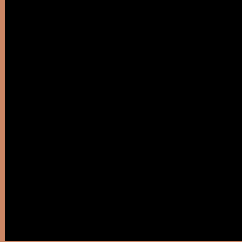
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.6668, 0.4312, 0.3729**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.6668, 0.4312, 0.3729.



This preview shows how white text looks on a background with the Yxy color 30.6668, 0.4312, 0.3729.

# 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

30.6668, 0.4312, 0.3729

### Protanopia

30.9813, 0.3687, 0.3963

### Deuteranopia

30.6521, 0.4019, 0.3944



## Tritanopia

30.6864, 0.3914, 0.3164

# Trichromacy



**Original Color**

30.6668, 0.4312, 0.3729

**Protanomaly**

30.7153, 0.3917, 0.3883

**Deuteranomaly**

30.4758, 0.4126, 0.3855

**Tritanomaly**

30.6924, 0.4063, 0.3370

# Monochromacy



**Original Color**

30.6668, 0.4312, 0.3729

**Achromatopsia**

30.9469, 0.3127, 0.3290

**Achromatomaly**

30.4628, 0.3531, 0.3485

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.6668, 0.4312, 0.3729 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, 134, 100)` looks like.

```
.text, #text, p{  
    color:rgb(203, 134, 100)  
}
```

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, 134, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 134, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 30.6668, 0.4312, 0.3729 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, 134, 100) }
```

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

```
.border{ border-color:rgb(203, 134, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 134, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 134, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 134, 100);  
box-shadow:4px 4px 4px 4px rgb(203, 134,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.6668, 0.4312, 0.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 134, 100) }
```

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

```
.background{ background-color: rgb(203,  
134, 100) }
```

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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