

# Converting Colors

XYZ(35.2724, 30.8934, 18.4873)

Have a look what the booklet for  
XYZ(35.2724, 30.8934, 18.4873)  
contains.

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# Color

**XYZ(35.3839, 30.9918,  
18.5851)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8886D
RGB	200, 136, 109
RGB Percent	78%, 53%, 43%
CMY	0.2157, 0.4666, 0.5725
CMYK	0.00, 0.32, 0.45, 0.22
HSL	18°, 45%, 61%
HSV	18°, 45%, 78%
XYZ	35.3839, 30.9918, 18.5851
YIQ	152.0580, 46.8110, 5.1710

# Conversions

## Conversions Part 2

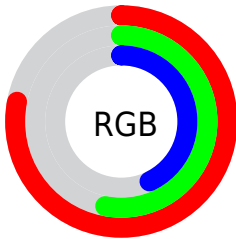
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 147, 109
Decimal	13142125
CIE <sub>Lab</sub>	62.50, 21.32, 24.40
CIE <sub>LCh</sub>	63, 32.407, 48.854
Yxy	30.9918, 0.4165, 0.3648
Android (android.graphics.Color)	4291332205 (0xFFC8886D)
YUV	152.0580, -21.2276, 42.0451
Hunter-Lab	55.6703, 16.0312, 19.1757

# Details

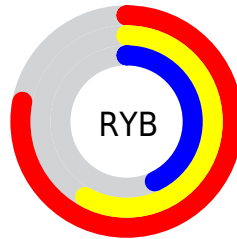
The XYZ color **35.3839, 30.9918, 18.5851** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **31.6749, 37.3069, 60.1750**, and the grayscale version is **29.9454, 31.5048, 34.3088**.

A 20% lighter version of the original color is **66.0865, 60.6601, 41.9437**, and **15.4978, 12.8321, 6.0749** is the 20% darker color. If you saturate the color by 10%, you get **32.5748, 26.9051, 12.9278**, and if you desaturate by 10%, it is **38.6995, 35.6995, 25.6203**.

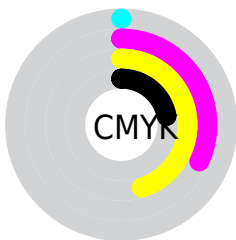
# Distribution



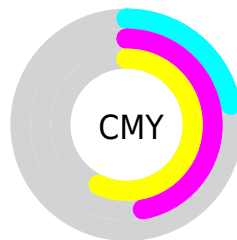
- Red (78%)
- Green (53%)
- Blue (43%)



- Red (78%)
- Yellow (58%)
- Blue (43%)



- Cyan (0%)
- Magenta (32%)
- Yellow (45%)
- Black (22%)




- Cyan (22%)
- Magenta (47%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3839, 30.9918, 18.5851 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 XYZ color 35.3839, 30.9918, 18.5851 by changing the saturation by 10% instead.





 35.3839, 30.9918,  
18.5851


 35.3839, 30.9918,  
18.5851


317.7380,  
306.5005, 256.4945


 24.1266, 20.5926,  
11.1971


 67.4102, 61.2272,  
41.8591


 15.5528, 12.8265,  
6.0837


 88.9099, 81.8321,  
58.5823

 9.2971, 7.3092,  
2.8264


 114.5545,  
106.6078, 79.2542

 4.9941, 3.6562,  
1.0067

 144.7093,  
135.9385, 104.2934

 2.2786, 1.4832,  
0.0000

179.7397,  
170.2088, 134.1186

 0.7837, 0.2768,  
0.0000

220.0111,

 0.0000, 0.0000,

209.8030, 169.1481

0.0000

265.8887,  
255.1054, 209.8006

■ 35.3839, 30.9918,  
18.5851

■ 35.3839, 30.9918,  
18.5851

■ 32.5748, 26.9051,  
12.9278

■ 38.6995, 35.6995,  
25.6203

■ 30.2430, 23.4079,  
8.5546

■ 42.5440, 41.0487,  
34.1152

■ 28.3597, 20.4729,  
5.3628


■ 46.9412, 47.0645,  
44.1470


■ 26.8912, 18.0682,  
3.2327


■ 51.9127, 53.7693,  
55.7872

■ 25.7983, 16.1583,  
2.0176


■ 57.4790, 61.1845,  
69.1027

 25.4014, 15.4434,  
1.6421

 63.6594, 69.3305,  
84.1566

 70.4724, 78.2268,  
101.0085

 75.5984, 86.9573,  
107.4077

 77.6294, 91.0193,  
108.0847

# Harmonies

## Analogous

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



38.2141, 30.9918, 26.5021



35.3839, 30.9918, 18.5851



31.1233, 30.9918, 15.1122

# Triad

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



35.3839, 30.9918, 18.5851



21.9087, 30.9918, 29.2728



32.2774, 30.9918, 62.2734

# Complementary

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



35.3839, 30.9918, 18.5851



31.6749, 37.3069, 60.1750

# 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.



27.8508, 30.9918, 63.5510



35.3839, 30.9918, 18.5851



22.1513, 30.9918, 42.1998

# Square

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



35.3839, 30.9918, 18.5851



23.5320, 30.9918, 20.1768



24.2315, 30.9918, 55.4867



36.3009, 30.9918, 52.3380



# Rectangle

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



35.3839, 30.9918, 18.5851



28.1731, 30.9918, 15.0139



24.2315, 30.9918, 55.4867



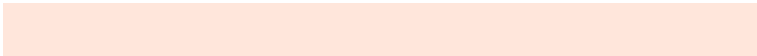
30.7788, 30.9918, 63.8080

# Sweetspot

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



35.3847, 30.9933, 18.5857



82.3331, 82.9250, 78.8918



36.9493, 26.2814, 43.2807



17.2421, 17.2326, 16.0055



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



35.3847, 30.9933, 18.5857



56.2707, 46.3932, 22.1333



42.9583, 46.1406, 21.1102



10.8861, 11.1414, 11.1395



16.2199, 9.9569, 1.0670



0.8322, 0.5998, 0.0719



# Inverse Universe

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



31.6749, 37.3069, 60.1750



48.9775, 58.6280, 103.3427



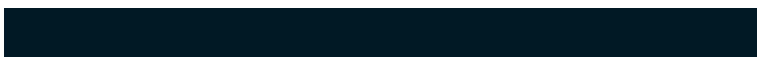
24.5453, 23.0476, 57.7984



10.6707, 11.5155, 13.5778



12.7333, 14.8606, 36.9416



0.6638, 0.8253, 1.7695



# Previews

## White Background



This preview shows how the XYZ color 35.3839, 30.9918, 18.5851 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

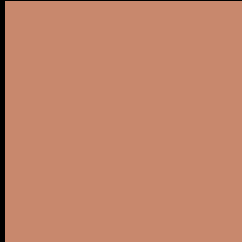
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.3839, 30.9918, 18.5851 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

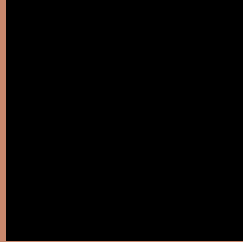
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.3839, 30.9918, 18.5851**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.3839, 30.9918, 18.5851.



This preview shows how white text looks on a background with the XYZ color 35.3839, 30.9918,



# 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

35.3839, 30.9918, 18.5851

### Protanopia

29.1193, 31.0756, 20.9864

### Deuteranopia

31.6016, 31.0156, 18.2309



## Tritanopia

37.6876, 31.1221, 29.2201

# Trichromacy



**Original Color**

35.3839, 30.9918, 18.5851

**Protanomaly**

31.1640, 30.9801, 19.9600

**Deuteranomaly**

32.8733, 30.9935, 18.4371

**Tritanomaly**

36.7071, 30.9166, 24.8017

# Monochromacy



**Original Color**

35.3839, 30.9918, 18.5851

**Achromatopsia**

29.8446, 31.3989, 34.1934

**Achromatomaly**

31.0850, 30.7704, 27.5935

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3839, 30.9918, 18.5851 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(200, 136, 109)` looks like.

```
.text, #text, p{  
    color:rgb(200, 136, 109)  
}
```

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(200, 136, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 136, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3839, 30.9918, 18.5851 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(200, 136, 109) }
```



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

```
.border{ border-color:rgb(200, 136, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 136, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 136, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 136, 109);  
box-shadow:4px 4px 4px 4px rgb(200, 136,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3839, 30.9918, 18.5851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 136, 109) }
```

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

```
.background{ background-color: rgb(200,  
136, 109) }
```

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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