

# Converting Colors

XYZ(33.1441, 30.4610, 38.7805)

Have a look what the booklet for  
XYZ(33.1441, 30.4610, 38.7805)  
contains.

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# Color

**XYZ(33.1490, 30.4648,  
38.7835)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AC8DA3
RGB	172, 141, 163
RGB Percent	67%, 55%, 64%
CMY	0.3255, 0.4470, 0.3608
CMYK	0.00, 0.18, 0.05, 0.33
HSL	317°, 16%, 61%
HSV	317°, 18%, 67%
XYZ	33.1490, 30.4648, 38.7835
YIQ	152.7770, 11.4140, 13.4140

# Conversions

## Conversions Part 2

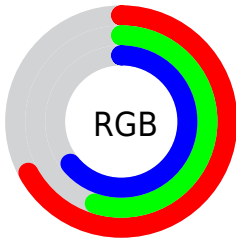
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 141, 163
Decimal	11308451
CIELab	62.05, 15.51, -7.20
CIElCh	62, 17.102, 335.109
Yxy	30.4648, 0.3237, 0.2975
Android (android.graphics.Color)	4289498531 (0xFFAC8DA3)
YUV	152.7770, 5.0399, 16.8586
Hunter-Lab	55.1949, 10.6125, -3.0245

# Details

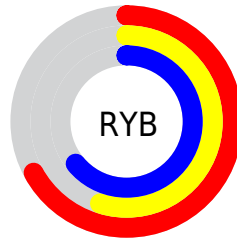
The XYZ color **33.1490, 30.4648, 38.7835** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **31.2433, 37.3706, 34.4225**, and the grayscale version is **30.1574, 31.7280, 34.5518**.

A 20% lighter version of the original color is **64.1649, 60.5861, 74.6421**, and **14.2181, 12.5518, 16.7123** is the 20% darker color. If you saturate the color by 10%, you get **30.3687, 25.6059, 35.6927**, and if you desaturate by 10%, it is **36.3426, 36.1212, 42.1000**.

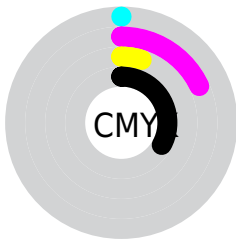
# Distribution



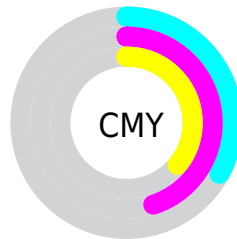
- Red (67%)
- Green (55%)
- Blue (64%)



- Red (67%)
- Yellow (55%)
- Blue (64%)



- Cyan (0%)
- Magenta (18%)
- Yellow (5%)
- Black (33%)




- Cyan (33%)
- Magenta (45%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1490, 30.4648, 38.7835 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 33.1490, 30.4648, 38.7835 by changing the saturation by 10% instead.





 33.1490, 30.4648,  
38.7835


 33.1490, 30.4648,  
38.7835


307.9737,  
304.0650, 356.3676

 22.4004, 20.1917,  
26.2848


 63.9612, 60.3965,  
74.5242

 14.2696, 12.5344,  
16.8092


 84.7555, 80.8238,  
98.6032

 8.3914, 7.1087,  
9.9380


 109.6291,  
105.4046, 127.3795

 4.4003, 3.5302,  
5.2528

138.9473,  
134.5233, 161.2714

 1.9310, 1.4144,  
2.3350

173.0756,  
168.5643, 200.6977

 0.5948, 0.2273,  
0.7507

212.3791,

 0.0000, 0.0000,

207.9120, 246.0768

0.0000

257.2234,  
252.9508, 297.8272

■ 33.1490, 30.4648,  
38.7835

■ 33.1490, 30.4648,  
38.7835

■ 30.3687, 25.6059,  
35.6927

■ 36.3426, 36.1212,  
42.1000

■ 27.9808, 21.5041,  
32.8185

■ 39.9640, 42.6051,  
45.6469

■ 25.9663, 18.1217,  
30.1540

■ 44.0303, 49.9497,  
49.4312

■ 24.3038, 15.4158,  
27.6910

■ 48.5567, 58.1855,  
53.4590

■ 22.9695, 13.3394,  
25.4205

■ 53.5578, 67.3411,  
57.7360

■ 21.9365, 11.8389,  
23.3325

■ 59.0475, 77.4441,  
62.2679

■ 21.1735, 10.8523,  
21.4155

■ 62.9618, 84.3661,  
66.3673

■ 20.6286, 10.2759,  
19.6510

■ 63.5474, 84.6003,  
69.4510

■ 20.5300, 10.1774,  
19.3143

■ 64.1521, 84.8422,  
72.6356

# Harmonies

## Analogous

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



31.5705, 30.4648, 44.6292



33.1490, 30.4648, 38.7835



33.5805, 30.4648, 32.0575

# Triad

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



33.1490, 30.4648, 38.7835



28.5644, 30.4648, 22.1020



25.4917, 30.4648, 40.9890

# Complementary

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



33.1490, 30.4648, 38.7835



31.2433, 37.3706, 34.4225

# 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.



24.7766, 30.4648, 34.3100



33.1490, 30.4648, 38.7835



26.4897, 30.4648, 23.8638

# Square

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



33.1490, 30.4648, 38.7835



30.8545, 30.4648, 22.9709



25.1322, 30.4648, 28.1279



27.1368, 30.4648, 46.0159



# Rectangle

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



33.1490, 30.4648, 38.7835



33.1412, 30.4648, 28.0888



25.1322, 30.4648, 28.1279



25.1386, 30.4648, 38.8320

# Sweetspot

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



33.1499, 30.4661, 38.7841



67.7743, 68.8184, 78.2172



29.5104, 28.4934, 42.9746



14.6348, 14.7878, 16.9050



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



33.1499, 30.4661, 38.7841



57.8419, 51.2401, 67.8576



31.8621, 29.9510, 32.0028



8.2364, 8.1078, 9.5559



15.3022, 7.5834, 14.5029



0.4479, 0.2198, 0.5203



# Inverse Universe

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



33.1499, 30.4661, 38.7841



57.8419, 51.2401, 67.8576



32.5554, 37.8955, 41.3321



8.2364, 8.1078, 9.5559



15.3022, 7.5834, 14.5029

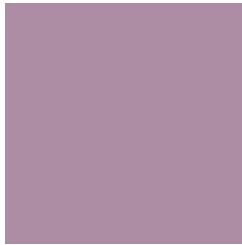


0.4479, 0.2198, 0.5203



# Previews

## White Background



This preview shows how the XYZ color 33.1490, 30.4648, 38.7835 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 33.1490, 30.4648, 38.7835 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 33.1490, 30.4648, 38.7835**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.1490, 30.4648, 38.7835.



This preview shows how white text looks on a background with the XYZ color 33.1490, 30.4648,

38.7835.

# 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

33.1490, 30.4648, 38.7835

### Protanopia

30.0281, 30.6179, 41.3730

### Deuteranopia

31.0985, 30.5373, 38.4376



## Tritanopia

32.4498, 30.6359, 34.7749

# Trichromacy



## Original Color

33.1490, 30.4648, 38.7835

## Protanomaly

31.0664, 30.4790, 40.3221

## Deuteranomaly

31.8047, 30.4477, 38.3831

## Tritanomaly

32.5534, 30.4383, 36.0577

# Monochromacy



## Original Color

33.1490, 30.4648, 38.7835

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

31.3305, 31.4028, 36.3083

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.1490, 30.4648, 38.7835 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(172, 141, 163)` looks like.

```
.text, #text, p{  
    color:rgb(172, 141, 163)  
}
```

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(172, 141, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 141, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 33.1490, 30.4648, 38.7835 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(172, 141, 163) }
```



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

```
.border{ border-color:rgb(172, 141, 163) }
```

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

Here you see how a box with a 4 pixel rgb(172, 141, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 141, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 141, 163);  
box-shadow:4px 4px 4px 4px rgb(172, 141,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.1490, 30.4648, 38.7835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 141, 163) }
```

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

```
.background{ background-color: rgb(172,  
141, 163) }
```

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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