

# Converting Colors

XYZ(41.0615, 38.7799, 28.9883)

Have a look what the booklet for  
XYZ(41.0615, 38.7799, 28.9883)  
contains.

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# Color

**XYZ(41.0993, 38.8164,  
28.9931)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CA9E89
RGB	202, 158, 137
RGB Percent	79%, 62%, 54%
CMY	0.2078, 0.3804, 0.4627
CMYK	0.00, 0.22, 0.32, 0.21
HSL	19°, 38%, 66%
HSV	19°, 32%, 79%
XYZ	41.0993, 38.8164, 28.9931
YIQ	168.7620, 32.9650, 2.7970

# Conversions

## Conversions Part 2

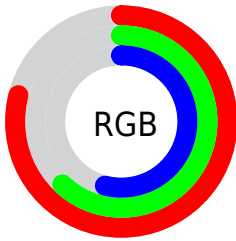
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 168, 137
Decimal	13278857
CIE Lab	68.62, 13.36, 17.22
CIE LCh	69, 21.800, 52.194
Yxy	38.8164, 0.3774, 0.3564
Android (android.graphics.Color)	4291468937 (0xFFCA9E89)
YUV	168.7620, -15.6587, 29.1497
Hunter-Lab	62.3028, 8.7212, 16.0209

# Details

The XYZ color **41.0993, 38.8164, 28.9931** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **37.5005, 42.6290, 62.1288**, and the grayscale version is **37.6588, 39.6200, 43.1462**.

A 20% lighter version of the original color is **74.3285, 72.5662, 58.8043**, and **19.0106, 17.4066, 11.3747** is the 20% darker color. If you saturate the color by 10%, you get **37.5800, 33.8837, 21.3280**, and if you desaturate by 10%, it is **45.1514, 44.3803, 38.1750**.

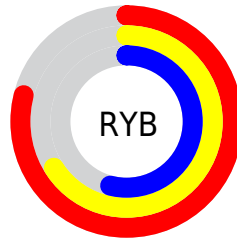
# Distribution



Red (79%)

Green (62%)

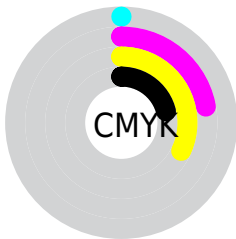
Blue (54%)



Red (79%)

Yellow (66%)

Blue (54%)

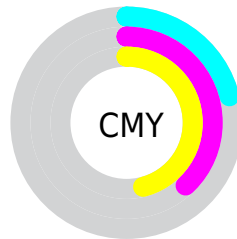


Cyan (0%)

Magenta (22%)

Yellow (32%)

Black (21%)



Cyan (21%)

Magenta (38%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0993, 38.8164, 28.9931 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 41.0993, 38.8164, 28.9931 by changing the saturation by 10% instead.





 41.0993, 38.8164,  
28.9931


 41.0993, 38.8164,  
28.9931


341.7910,  
341.1093, 311.2423


 28.5847, 26.6169,  
18.8301


 76.1084, 73.3578,  
59.1082

 18.9096, 17.2857,  
11.3720


 99.3335, 96.4684,  
79.8973

 11.7086, 10.4384,  
6.2003


 126.8596,  
123.9850, 105.0655

 6.6163, 5.6906,  
2.8965

159.0519,  
156.2917, 135.0314

 3.2675, 2.6579,  
1.0420

196.2759,  
193.7732, 170.2135

 1.2968, 0.9558,  
0.0000

238.8968,

 0.1808, 0.0000,

236.8136, 211.0303

0.0000

287.2800,  
285.7975, 257.9004

■ 0.0000, 0.0000,  
0.0000

■ 41.0993, 38.8164,  
28.9931

■ 41.0993, 38.8164,  
28.9931

■ 37.5800, 33.8837,  
21.3280

■ 45.1514, 44.3803,  
38.1750

■ 34.5670, 29.5536,  
15.0946

■ 49.7553, 50.5916,  
48.9478

■ 32.0355, 25.8036,  
10.2030


■ 54.9329, 57.4727,  
61.3834


■ 29.9575, 22.6073,  
6.5520


■ 60.7037, 65.0435,  
75.5487


■ 28.3017, 19.9361,  
4.0256


■ 67.0864, 73.3227,  
91.5069

 27.0315, 17.7581,  
2.4854

 73.5791, 82.1205,  
106.5806

 26.2632, 16.3688,  
1.7753

 77.7579, 90.4781,  
107.9735

 78.1671, 91.2966,  
108.1099

# Harmonies

## Analogous

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



43.3642, 38.8164, 35.5040



41.0993, 38.8164, 28.9931



37.7996, 38.8164, 26.1358

# Triad

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



41.0993, 38.8164, 28.9931



30.7202, 38.8164, 39.7433



39.4496, 38.8164, 62.3455

# Complementary

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



41.0993, 38.8164, 28.9931



37.5005, 42.6290, 62.1288

# 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.



36.0027, 38.8164, 63.9506



41.0993, 38.8164, 28.9931



31.1014, 38.8164, 49.8329

# Square

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



41.0993, 38.8164, 28.9931



31.9100, 38.8164, 31.6822



32.9855, 38.8164, 59.0703



42.3713, 38.8164, 54.9741



# Rectangle

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



41.0993, 38.8164, 28.9931



35.5140, 38.8164, 26.3191



32.9855, 38.8164, 59.0703



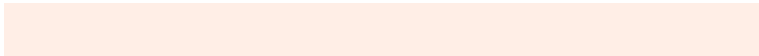
38.3089, 38.8164, 63.6191

# Sweetspot

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



41.1003, 38.8182, 28.9939



85.9517, 87.9430, 86.9398



41.6863, 33.8016, 48.2680



18.1409, 18.4810, 17.9987



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.



41.1003, 38.8182, 28.9939



65.1190, 59.4777, 39.3013



47.3041, 51.2259, 31.0618



11.5034, 11.7957, 11.7499



16.9723, 10.6776, 1.1664



0.9445, 0.6886, 0.0831



# Inverse Universe

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



37.5005, 42.6290, 62.1288



58.0246, 66.9456, 104.4713



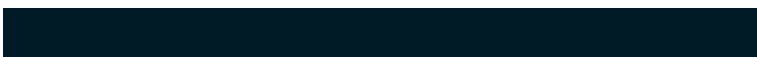
31.7119, 31.0516, 60.1993



11.2258, 12.0920, 14.3127



12.6751, 14.3742, 38.0627



0.7209, 0.8755, 1.9859



# Previews

## White Background



This preview shows how the XYZ color 41.0993, 38.8164, 28.9931 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

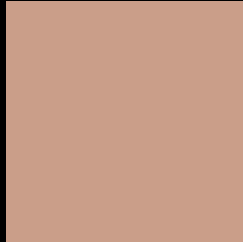
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.0993, 38.8164, 28.9931 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

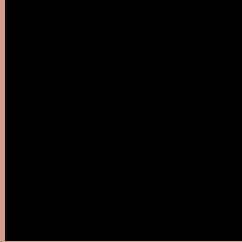
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 41.0993, 38.8164, 28.9931

## Background



This preview shows how black text looks on a background with the XYZ color 41.0993, 38.8164, 28.9931.



This preview shows how white text looks on a background with the XYZ color 41.0993, 38.8164,



# 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

41.0993, 38.8164, 28.9931

### Protanopia

36.7579, 38.9076, 30.7719

### Deuteranopia

39.6945, 38.8694, 28.7030



## Tritanopia

43.6154, 38.8435, 41.2752

# Trichromacy



## Original Color

41.0993, 38.8164, 28.9931

## Protanomaly

38.2588, 38.8835, 30.2997

## Deuteranomaly

40.3034, 38.9250, 28.6816

## Tritanomaly

42.5396, 38.6466, 36.2278

# Monochromacy



## Original Color

41.0993, 38.8164, 28.9931

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

38.5970, 39.1683, 37.4243

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.0993, 38.8164, 28.9931 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(202, 158, 137)` looks like.

```
.text, #text, p{  
    color:rgb(202, 158, 137)  
}
```

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(202, 158, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 158, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 41.0993, 38.8164, 28.9931 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(202, 158, 137) }
```



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

```
.border{ border-color:rgb(202, 158, 137) }
```

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

Here you see how a box with a 4 pixel rgb(202, 158, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 158, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 158, 137);  
box-shadow:4px 4px 4px 4px rgb(202, 158,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.0993, 38.8164, 28.9931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 158, 137) }
```

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

```
.background{ background-color: rgb(202,  
158, 137) }
```

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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