

# Converting Colors

XYZ(38.3208, 33.2417, 24.1352)

Have a look what the booklet for  
XYZ(38.3208, 33.2417, 24.1352)  
contains.

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# Color

**XYZ(38.3208, 33.2417,  
24.1352)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD8C7E
RGB	205, 140, 126
RGB Percent	80%, 55%, 49%
CMY	0.1961, 0.4510, 0.5059
CMYK	0.00, 0.32, 0.39, 0.20
HSL	11°, 44%, 65%
HSV	11°, 39%, 80%
XYZ	38.3208, 33.2417, 24.1352
YIQ	157.8390, 43.2340, 9.4260

# Conversions

## Conversions Part 2

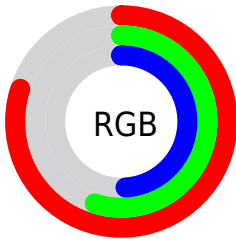
Format	Color
R <sub>Y</sub> B	205, 143, 126
Decimal	13470846
CIE Lab	64.36, 23.01, 17.51
CIE LCh	64, 28.915, 37.259
Yxy	33.2417, 0.4004, 0.3474
Android (android.graphics.Color)	4291660926 (0xFFCD8C7E)
YUV	157.8390, -15.6966, 41.3602
Hunter-Lab	57.6556, 17.7427, 15.5396

# Details

The XYZ color **38.3208, 33.2417, 24.1352** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **38.2535, 46.1030, 64.6401**, and the grayscale version is **32.4824, 34.1740, 37.2155**.

A 20% lighter version of the original color is **68.6685, 63.0982, 51.2078**, and **17.3064, 14.0701, 8.8248** is the 20% darker color. If you saturate the color by 10%, you get **34.8527, 28.2100, 17.1082**, and if you desaturate by 10%, it is **42.4394, 39.1405, 32.7170**.

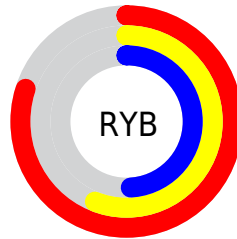
# Distribution



Red (80%)

Green (55%)

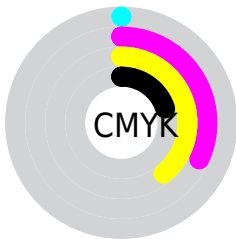
Blue (49%)



Red (80%)

Yellow (56%)

Blue (49%)

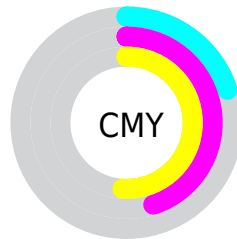


Cyan (0%)

Magenta (32%)

Yellow (39%)

Black (20%)



Cyan (20%)

Magenta (45%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3208, 33.2417, 24.1352 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 38.3208, 33.2417, 24.1352 by changing the saturation by 10% instead.




 38.3208, 33.2417,  
24.1352


 38.3208, 33.2417,  
24.1352


330.2512,  
316.7374, 286.8118

 26.4101, 22.3117,  
15.2208


 71.9003, 64.7527,  
51.1973

 17.2650, 14.0861,  
8.8262


 94.2998, 86.1025,  
70.1822

 10.5201, 8.1806,  
4.5327


 120.9264,  
111.6942, 93.3609

 5.8100, 4.2107,  
1.9219

152.1452,  
141.9125, 121.1520

 2.7695, 1.7921,  
0.5066

188.3218,  
177.1415, 153.9742

 1.0331, 0.4823,  
0.0000

229.8214,

 0.0000, 0.0000,

217.7657, 192.2458

0.0000

277.0094,  
264.1696, 236.3855

■ 38.3208, 33.2417,  
24.1352

■ 38.3208, 33.2417,  
24.1352

■ 34.8527, 28.2100,  
17.1082

■ 42.4394, 39.1405,  
32.7170

■ 31.9988, 23.9996,  
11.5404

■ 47.2373, 45.9399,  
42.9373

■ 29.7230, 20.5679,  
7.3290

■ 52.7445, 53.6772,  
54.8762

■ 27.9840, 17.8661,  
4.3566

■ 58.9887, 62.3864,  
68.6079

■ 26.7351, 15.8401,  
2.4855

■ 65.9958, 72.0999,  
84.2023

■ 25.9125, 14.4243,  
1.5046

■ 73.7905, 82.8482,  
101.7254

■ 25.8180, 14.2616,  
1.3920

■ 78.9868, 91.7191,  
108.1483

# Harmonies

## Analogous

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



40.1126, 33.2417, 33.4059



38.3208, 33.2417, 24.1352



34.7538, 33.2417, 19.0592

# Triad

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



38.3208, 33.2417, 24.1352



24.8450, 33.2417, 28.1221



32.6057, 33.2417, 63.6499

# Complementary

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



38.3208, 33.2417, 24.1352



38.2535, 46.1030, 64.6401

# 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.



28.6341, 33.2417, 61.3755



38.3208, 33.2417, 24.1352



24.3779, 33.2417, 39.1342

# Square

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



38.3208, 33.2417, 24.1352



27.0427, 33.2417, 20.9881



25.7066, 33.2417, 51.7210



36.6320, 33.2417, 57.3930



# Rectangle

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



38.3208, 33.2417, 24.1352



31.9751, 33.2417, 17.9496



25.7066, 33.2417, 51.7210



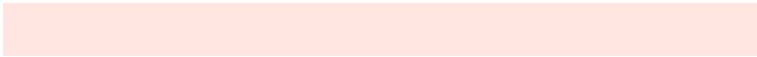
31.2184, 33.2417, 63.8770

# Sweetspot

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



38.3217, 33.2433, 24.1359



82.9969, 83.1596, 82.4828



42.1337, 31.6995, 53.6703



17.5069, 17.4376, 17.0952



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.



38.3217, 33.2433, 24.1359



58.1171, 47.7090, 30.0767



44.9962, 46.5923, 26.3607



11.3705, 11.5299, 11.7056



16.1223, 8.9776, 0.8831



0.8822, 0.5640, 0.0624

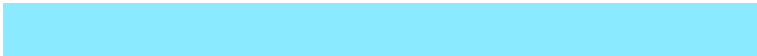


# Inverse Universe

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



38.2535, 46.1030, 64.6401



57.9630, 71.5605, 105.3653



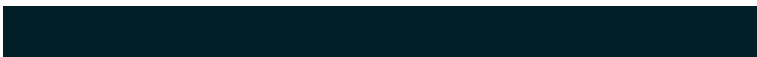
30.9063, 31.4085, 62.1910



11.3675, 12.3755, 14.3600



15.7159, 20.4557, 39.0763



0.8562, 1.1462, 2.0311



# Previews

## White Background



This preview shows how the XYZ color 38.3208, 33.2417, 24.1352 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

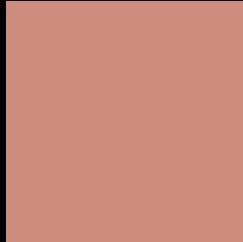
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.3208, 33.2417, 24.1352 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 38.3208, 33.2417, 24.1352**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3208, 33.2417, 24.1352.



This preview shows how white text looks on a background with the XYZ color 38.3208, 33.2417,



# 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

38.3208, 33.2417, 24.1352

### Protanopia

31.5014, 33.3907, 27.3390

### Deuteranopia

33.8358, 33.2130, 23.6962



## Tritanopia

39.9442, 33.2633, 31.9189

# Trichromacy



## Original Color

38.3208, 33.2417, 24.1352

## Protanomaly

33.5935, 33.0351, 26.0786

## Deuteranomaly

35.2158, 32.9856, 23.9128

## Tritanomaly

39.2023, 33.1628, 28.7610

# Monochromacy



## Original Color

38.3208, 33.2417, 24.1352

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

33.9341, 33.3225, 31.8375

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3208, 33.2417, 24.1352 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(205, 140, 126)` looks like.

```
.text, #text, p{  
    color:rgb(205, 140, 126)  
}
```

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(205, 140, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 140, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3208, 33.2417, 24.1352 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(205, 140, 126) }
```



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

```
.border{ border-color:rgb(205, 140, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 140, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 140, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 140, 126);  
box-shadow:4px 4px 4px 4px rgb(205, 140,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3208, 33.2417, 24.1352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 140, 126) }
```

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

```
.background{ background-color: rgb(205,  
140, 126) }
```

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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