

Converting Colors

XYZ(38.8116, 33.2708, 25.7998)

Have a look what the booklet for
XYZ(38.8116, 33.2708, 25.7998)
contains.

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Color

**XYZ(38.7830, 33.2257,
25.8419)**

Conversions

Conversions Part 1

Format	Color
Hex	CE8B83
RGB	206, 139, 131
RGB Percent	81%, 55%, 51%
CMY	0.1922, 0.4549, 0.4863
CMYK	0.00, 0.33, 0.36, 0.19
HSL	6°, 43%, 66%
HSV	6°, 36%, 81%
XYZ	38.7830, 33.2257, 25.8419
YIQ	158.1210, 42.5000, 11.7160

Conversions

Conversions Part 2

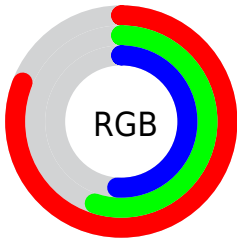
Format	Color
R _Y B	206, 140, 131
Decimal	13536131
CIE Lab	64.34, 24.55, 14.70
CIE LCh	64, 28.610, 30.906
Yxy	33.2257, 0.3963, 0.3396
Android (android.graphics.Color)	4291726211 (0xFFCE8B83)
YUV	158.1210, -13.3707, 41.9899
Hunter-Lab	57.6417, 19.2268, 13.7684

Details

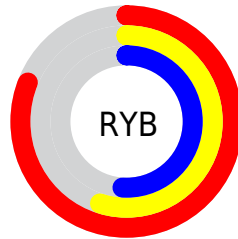
The XYZ color **38.7830, 33.2257, 25.8419** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **40.6942, 49.6682, 65.8348**, and the grayscale version is **32.6003, 34.2980, 37.3506**.

A 20% lighter version of the original color is **68.9617, 62.8606, 53.8460**, and **17.5904, 14.0727, 9.7718** is the 20% darker color. If you saturate the color by 10%, you get **35.0793, 27.8350, 18.3904**, and if you desaturate by 10%, it is **43.2145, 39.6276, 34.9061**.

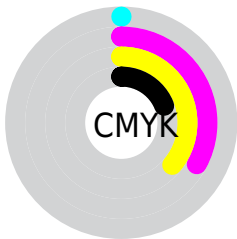
Distribution



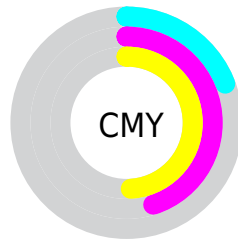
- Red (81%)
- Green (55%)
- Blue (51%)



- Red (81%)
- Yellow (55%)
- Blue (51%)



- Cyan (0%)
- Magenta (33%)
- Yellow (36%)
- Black (19%)





- Cyan (19%)
- Magenta (45%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7830, 33.2257, 25.8419 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 38.7830, 33.2257, 25.8419 by changing the saturation by 10% instead.


 38.7830, 33.2257,
25.8419


 38.7830, 33.2257,
25.8419


332.1901,
316.6655, 295.5859


 26.7709, 22.2994,
16.4807


 72.6029, 64.7277,
54.0007

 17.5369, 14.0771,
9.7069


 95.1414, 86.0723,
73.6354

 10.7157, 8.1743,
5.1020


 121.9195,
111.6583, 97.5317

 5.9419, 4.2067,
2.2475

153.3024,
141.8703, 126.1081

 2.8501, 1.7898,
0.7016

189.6556,
177.0927, 159.7832

 1.0750, 0.4808,
0.0000

231.3444,

 0.0040, 0.0000,

217.7097, 198.9755

0.0000

278.7341,
264.1059, 244.1035

■ 0.0000, 0.0000,
0.0000

■ 38.7830, 33.2257,
25.8419

■ 38.7830, 33.2257,
25.8419

■ 35.0793, 27.8350,
18.3904

■ 43.2145, 39.6276,
34.9061

■ 32.0619, 23.3991,
12.4552

■ 48.4072, 47.0837,
45.6679

■ 29.6890, 19.8637,
7.9323

■ 54.3957, 55.6403,
58.2087

■ 27.9129, 17.1668,
4.7041

■ 61.2116, 65.3397,
72.6039

■ 26.6797, 15.2385,
2.6338

■ 68.8848, 76.2216,
88.9246

■ 25.9238, 13.9971,
1.5479

■ 77.4436, 88.3243,
107.2383

■ 25.7403, 13.6951,
1.2867

■ 79.2637, 91.8619,
108.1612

Harmonies

Analogous

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



40.0703, 33.2257, 35.8240



38.7830, 33.2257, 25.8419



35.5408, 33.2257, 19.9121

Triad

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



38.7830, 33.2257, 25.8419



25.2225, 33.2257, 26.3354



31.7039, 33.2257, 63.5375

Complementary

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



38.7830, 33.2257, 25.8419



40.6942, 49.6682, 65.8348

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.



27.9250, 33.2257, 59.5125



38.7830, 33.2257, 25.8419



24.3827, 33.2257, 36.5326

Square

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



38.7830, 33.2257, 25.8419



27.7280, 33.2257, 20.1510



25.3291, 33.2257, 48.9552



35.7732, 33.2257, 59.0201

Rectangle

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



38.7830, 33.2257, 25.8419



32.8334, 33.2257, 18.2502



25.3291, 33.2257, 48.9552



30.3590, 33.2257, 63.1323

Sweetspot

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



38.7839, 33.2273, 25.8426



83.3793, 83.3655, 84.3335



43.8210, 33.4551, 57.8771



17.5632, 17.4386, 17.4576



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.



38.7839, 33.2273, 25.8426



57.8665, 46.6046, 31.8529



45.0760, 45.8115, 27.9399



11.3071, 11.4031, 11.6845



15.8848, 8.5026, 0.8039



0.8529, 0.5055, 0.0526

Inverse Universe

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



40.6942, 49.6682, 65.8348



61.4015, 77.1586, 106.2646



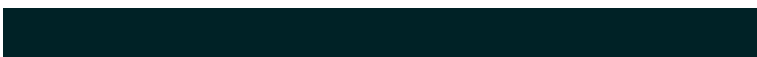
33.2459, 34.7717, 63.3521



11.4370, 12.5145, 14.3831



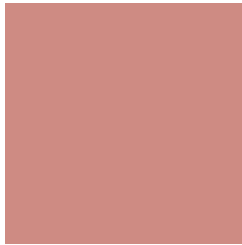
17.4595, 23.9430, 39.6575



0.9307, 1.2952, 2.0559

Previews

White Background



This preview shows how the XYZ color 38.7830, 33.2257, 25.8419 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 38.7830, 33.2257, 25.8419 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 38.7830, 33.2257, 25.8419

Background



This preview shows how black text looks on a background with the XYZ color 38.7830, 33.2257, 25.8419.



This preview shows how white text looks on a background with the XYZ color 38.7830, 33.2257,

25.8419.

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

38.7830, 33.2257, 25.8419

Protanopia

31.6529, 33.4275, 29.2100

Deuteranopia

33.9248, 33.2214, 25.3932



Tritanopia

40.2245, 33.4078, 31.9320

Trichromacy



Original Color

38.7830, 33.2257, 25.8419

Protanomaly

33.9407, 33.1740, 27.9069

Deuteranomaly

35.5434, 33.1166, 25.6379

Tritanomaly

39.6283, 33.3654, 29.5508

Monochromacy



Original Color

38.7830, 33.2257, 25.8419

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.0911, 33.3853, 32.6642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7830, 33.2257, 25.8419 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(206, 139, 131)` looks like.

```
.text, #text, p{  
    color:rgb(206, 139, 131)  
}
```

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(206, 139, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 139, 131) }
```

Border

The CSS property to change the border of an element to XYZ 38.7830, 33.2257, 25.8419 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(206, 139, 131) }
```


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

```
.border{ border-color:rgb(206, 139, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 139, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 139, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 139, 131);  
box-shadow:4px 4px 4px 4px rgb(206, 139,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7830, 33.2257, 25.8419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 139, 131) }
```

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

```
.background{ background-color: rgb(206,  
139, 131) }
```

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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