

Converting Colors

XYZ(33.8085, 31.3576, 21.6258)

Have a look what the booklet for
XYZ(33.8085, 31.3576, 21.6258)
contains.

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Color

**XYZ(33.7418, 31.3693,
21.7293)**

Conversions

Conversions Part 1

Format	Color
Hex	BC8E77
RGB	188, 142, 119
RGB Percent	74%, 56%, 47%
CMY	0.2627, 0.4431, 0.5333
CMYK	0.00, 0.24, 0.37, 0.26
HSL	20°, 34%, 60%
HSV	20°, 37%, 74%
XYZ	33.7418, 31.3693, 21.7293
YIQ	153.1320, 34.7990, 2.5990

Conversions

Conversions Part 2

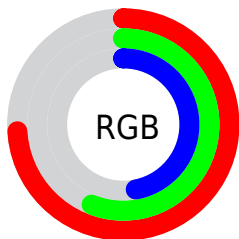
Format	Color
R_{YB}	188, 154, 119
Decimal	12357239
CIE _{Lab}	62.82, 14.30, 19.02
CIE _{LCh}	63, 23.795, 53.055
Yxy	31.3693, 0.3885, 0.3612
Android (android.graphics.Color)	4290547319 (0xFFBC8E77)
YUV	153.1320, -16.8271, 30.5792
Hunter-Lab	56.0083, 9.5215, 16.2033

Details

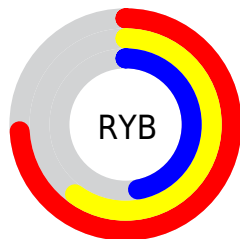
The XYZ color **33.7418, 31.3693, 21.7293** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **30.1395, 34.4618, 52.6401**, and the grayscale version is **30.3968, 31.9798, 34.8260**.

A 20% lighter version of the original color is **64.7468, 61.8326, 47.0504**, and **14.6055, 13.0830, 7.5498** is the 20% darker color. If you saturate the color by 10%, you get **30.9617, 27.4407, 15.7725**, and if you desaturate by 10%, it is **36.9565, 35.8095, 28.9335**.

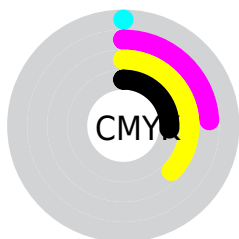
Distribution



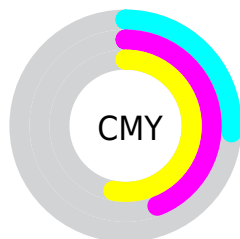
- Red (74%)
- Green (56%)
- Blue (47%)



- Red (74%)
- Yellow (60%)
- Blue (47%)



- Cyan (0%)
- Magenta (24%)
- Yellow (37%)
- Black (26%)




- Cyan (26%)
- Magenta (44%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7418, 31.3693, 21.7293 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 33.7418, 31.3693, 21.7293 by changing the saturation by 10% instead.


 33.7418, 31.3693,
21.7293


 33.7418, 31.3693,
21.7293


310.5854,
308.2361, 274.0366

 22.8573, 20.8802,
13.4617


 64.8789, 61.8210,
47.1946

 14.6083, 13.0365,
7.6128


 85.8622, 82.5525,
65.2294

 8.6294, 7.4537,
3.7640

 110.9424,
107.4668, 87.3571

 4.5554, 3.7474,
1.4968

140.4850,
136.9485, 113.9961

 2.0209, 1.5333,
0.2155

174.8552,
171.3819, 145.5650

 0.6457, 0.3120,
0.0000

214.4184,

 0.0000, 0.0000,

211.1513, 182.4824

0.0000

259.5401,
256.6413, 225.1667

■ 33.7418, 31.3693,
21.7293

■ 33.7418, 31.3693,
21.7293

■ 30.9617, 27.4407,
15.7725

■ 36.9565, 35.8095,
28.9335

■ 28.5937, 24.0002,
10.9892

■ 40.6222, 40.7749,
37.4494

■ 26.6166, 21.0288,
7.3006


■ 44.7573, 46.2842,
47.3392


■ 25.0063, 18.5046,
4.6171


■ 49.3783, 52.3535,
58.6603


■ 23.7354, 16.4033,
2.8349


■ 54.5009, 58.9985,
71.4670


 22.7690, 14.6969,
1.8148

 60.1402, 66.2342,
85.8108

 22.4987, 14.2108,
1.5571

 66.3106, 74.0749,
101.7405

 70.6193, 81.5720,
106.6307

 74.4835, 89.3004,
107.9188

Harmonies

Analogous

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



35.9596, 31.3693, 27.6002



33.7418, 31.3693, 21.7293



30.5795, 31.3693, 19.2617

Triad

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



33.7418, 31.3693, 21.7293



24.0190, 31.3693, 32.0320



32.3369, 31.3693, 53.4677

Complementary

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



33.7418, 31.3693, 21.7293



30.1395, 34.4618, 52.6401

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.



29.0645, 31.3693, 55.2415



33.7418, 31.3693, 21.7293



24.4146, 31.3693, 41.6752

Square

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



33.7418, 31.3693, 21.7293



25.0836, 31.3693, 24.4669



26.2064, 31.3693, 50.5959



35.1081, 31.3693, 46.1147

Rectangle

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



33.7418, 31.3693, 21.7293



28.4227, 31.3693, 19.4893



26.2064, 31.3693, 50.5959



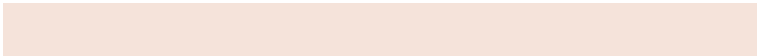
31.2533, 31.3693, 54.7852

Sweetspot

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



33.7426, 31.3708, 21.7299



77.6526, 79.2877, 77.4532



34.1276, 26.6019, 38.9335



16.4811, 16.7603, 16.1355



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.7426, 31.3708, 21.7299



57.0514, 51.0718, 30.5509



39.6924, 43.2704, 23.7132



9.7831, 10.0422, 9.9993



15.3801, 9.7991, 1.0808



0.6638, 0.5066, 0.0628

Inverse Universe

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



30.1395, 34.4618, 52.6401



49.5552, 57.4529, 94.7039



24.7345, 23.6518, 50.8385



9.5333, 10.2589, 12.1499



11.2716, 12.6549, 34.2415



0.4993, 0.6113, 1.3605

Previews

White Background



This preview shows how the XYZ color 33.7418, 31.3693, 21.7293 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 33.7418, 31.3693, 21.7293 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 33.7418, 31.3693, 21.7293

Background



This preview shows how black text looks on a background with the XYZ color 33.7418, 31.3693, 21.7293.



This preview shows how white text looks on a background with the XYZ color 33.7418, 31.3693,

21.7293.

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

33.7418, 31.3693, 21.7293

Protanopia

29.5643, 31.4888, 23.5885

Deuteranopia

31.9090, 31.3308, 21.5052



Tritanopia

35.9196, 31.3914, 32.1830

Trichromacy



Original Color

33.7418, 31.3693, 21.7293

Protanomaly

30.8973, 31.2429, 22.8144

Deuteranomaly

32.6868, 31.5039, 21.4976

Tritanomaly

34.9832, 31.2185, 27.8489

Monochromacy



Original Color

33.7418, 31.3693, 21.7293

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.2810, 31.5250, 29.6355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7418, 31.3693, 21.7293 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(188, 142, 119)` looks like.

```
.text, #text, p{  
    color:rgb(188, 142, 119)  
}
```

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(188, 142, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 142, 119) }
```

Border

The CSS property to change the border of an element to XYZ 33.7418, 31.3693, 21.7293 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(188, 142, 119) }
```


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

```
.border{ border-color:rgb(188, 142, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 142, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 142, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 142, 119);  
box-shadow:4px 4px 4px 4px rgb(188, 142,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7418, 31.3693, 21.7293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 142, 119) }
```

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

```
.background{ background-color: rgb(188,  
142, 119) }
```

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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