

Converting Colors

XYZ(33.1449, 31.2043, 20.7385)

Have a look what the booklet for
XYZ(33.1449, 31.2043, 20.7385)
contains.

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Color

**XYZ(33.2245, 31.3450,
20.8221)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8F74
RGB	186, 143, 116
RGB Percent	73%, 56%, 45%
CMY	0.2706, 0.4392, 0.5451
CMYK	0.00, 0.23, 0.38, 0.27
HSL	23°, 34%, 59%
HSV	23°, 38%, 73%
XYZ	33.2245, 31.3450, 20.8221
YIQ	152.7790, 34.2950, 0.7190

Conversions

Conversions Part 2

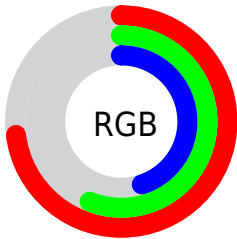
Format	Color
RYB	186, 160, 116
Decimal	12226420
CIELab	62.80, 12.57, 20.63
CIELCh	63, 24.160, 58.646
Yxy	31.3450, 0.3891, 0.3671
Android (android.graphics.Color)	4290416500 (0xFFBA8F74)
YUV	152.7790, -18.1320, 29.1348
Hunter-Lab	55.9866, 7.9519, 17.1400

Details

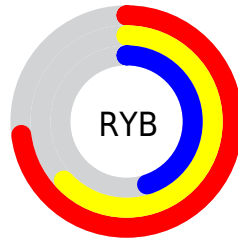
The XYZ color **33.2245, 31.3450, 20.8221** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **28.4630, 32.0531, 51.1409**, and the grayscale version is **30.2487, 31.8240, 34.6564**.

A 20% lighter version of the original color is **63.9963, 61.8143, 45.6042**, and **14.3178, 13.0714, 7.2372** is the 20% darker color. If you saturate the color by 10%, you get **30.6205, 27.6986, 15.1401**, and if you desaturate by 10%, it is **36.2214, 35.4304, 27.7045**.

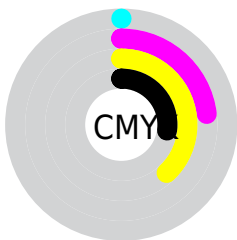
Distribution



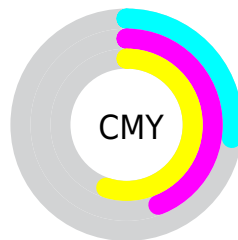
- Red (73%)
- Green (56%)
- Blue (45%)



- Red (73%)
- Yellow (63%)
- Blue (45%)



- Cyan (0%)
- Magenta (23%)
- Yellow (38%)
- Black (27%)





- Cyan (27%)
- Magenta (44%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2245, 31.3450, 20.8221 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 33.2245, 31.3450, 20.8221 by changing the saturation by 10% instead.


 33.2245, 31.3450,
20.8221


 33.2245, 31.3450,
20.8221


308.3073,
308.1246, 269.0815


 22.4585, 20.8617,
12.8040


 64.0782, 61.7828,
45.6682

 14.3127, 13.0229,
7.1646


 84.8967, 82.5062,
63.3334

 8.4216, 7.4443,
3.4853


 109.7967,
107.4116, 85.0513

 4.4200, 3.7415,
1.3474

139.1436,
136.8836, 111.2405

 1.9424, 1.5300,
0.1002

173.3027,
171.3065, 142.3196

 0.6013, 0.3097,
0.0000

212.6395,

 0.0000, 0.0000,

211.0647, 178.7071

0.0000

257.5192,
256.5426, 220.8215

■ 33.2245, 31.3450,
20.8221

■ 33.2245, 31.3450,
20.8221

■ 30.6205, 27.6986,
15.1401

■ 36.2214, 35.4304,
27.7045

■ 28.3889, 24.4712,
10.5864

■ 39.6257, 39.9651,
35.8498

■ 26.5106, 21.6475,
7.0841

■ 43.4542, 44.9645,
45.3185

■ 24.9635, 19.2096,
4.5454

■ 47.7216, 50.4420,
56.1665

■ 23.7227, 17.1377,
2.8683

■ 52.4423, 56.4103,
68.4467

■ 22.7532, 15.4076,
1.9011

■ 57.6296, 62.8818,
82.2088

■ 22.5511, 15.0421,
1.7148

■ 63.2966, 69.8682,
97.5006

■ 67.8368, 76.7335,
105.8434

■ 71.2025, 83.4647,
106.9653

Harmonies

Analogous

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



35.7276, 31.3450, 26.1235



33.2245, 31.3450, 20.8221



29.9430, 31.3450, 18.9708

Triad

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



33.2245, 31.3450, 20.8221



23.8778, 31.3450, 33.7010



32.9455, 31.3450, 52.7323

Complementary

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



33.2245, 31.3450, 20.8221



28.4630, 32.0531, 51.1409

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.



29.6425, 31.3450, 55.7603



33.2245, 31.3450, 20.8221



24.5540, 31.3450, 43.6236

Square

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



33.2245, 31.3450, 20.8221



24.6863, 31.3450, 25.5049



26.6053, 31.3450, 52.1594



35.5583, 31.3450, 44.5071

Rectangle

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



33.2245, 31.3450, 20.8221



27.8057, 31.3450, 19.6208



26.6053, 31.3450, 52.1594



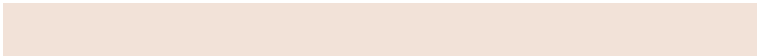
31.8718, 31.3450, 54.4520

Sweetspot

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



33.2253, 31.3465, 20.8227



76.2116, 78.1877, 75.7716



32.7677, 25.4392, 36.0601



16.5733, 16.9447, 16.1663



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.



33.2253, 31.3465, 20.8227



56.3407, 51.3953, 29.2272



39.2893, 43.4745, 22.8441



9.2811, 9.5651, 9.4640



15.2396, 10.2556, 1.1763



0.5979, 0.4828, 0.0617

Inverse Universe

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



28.4630, 32.0531, 51.1409



46.4746, 52.8309, 91.9493



23.2942, 21.7157, 49.4180



8.9679, 9.6130, 11.4623



10.1040, 10.6676, 32.7796



0.4142, 0.4921, 1.1749

Previews

White Background



This preview shows how the XYZ color 33.2245, 31.3450, 20.8221 looks on a white background.

Color Contrast Check

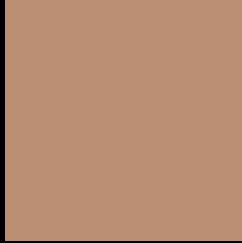
Large Text (above 18pt) WCAG AA × Fail

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 33.2245, 31.3450, 20.8221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

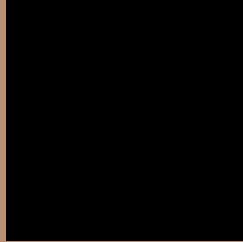
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2245, 31.3450, 20.8221

Background



This preview shows how black text looks on a background with the XYZ color 33.2245, 31.3450, 20.8221.



This preview shows how white text looks on a background with the XYZ color 33.2245, 31.3450,

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

33.2245, 31.3450, 20.8221

Protanopia

29.5187, 31.4939, 22.2924

Deuteranopia

31.9638, 31.3793, 20.5918



Tritanopia

35.4996, 31.1657, 32.5783

Trichromacy



Original Color

33.2245, 31.3450, 20.8221

Protanomaly

30.8718, 31.4847, 21.9028

Deuteranomaly

32.5113, 31.4337, 20.5734

Tritanomaly

34.6325, 31.2537, 27.8741

Monochromacy



Original Color

33.2245, 31.3450, 20.8221

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.9981, 31.3877, 29.2356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2245, 31.3450, 20.8221 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(186, 143, 116)` looks like.

```
.text, #text, p{  
    color:rgb(186, 143, 116)  
}
```

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(186, 143, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 143, 116) }
```

Border

The CSS property to change the border of an element to XYZ 33.2245, 31.3450, 20.8221 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(186, 143, 116) }
```


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

```
.border{ border-color:rgb(186, 143, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 143, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 143, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 143, 116);  
box-shadow:4px 4px 4px 4px rgb(186, 143,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2245, 31.3450, 20.8221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 143, 116) }
```

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

```
.background{ background-color: rgb(186,  
143, 116) }
```

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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