

Converting Colors

XYZ(33.2359, 31.5869, 20.7705)

Have a look what the booklet for
XYZ(33.2359, 31.5869, 20.7705)
contains.

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Color

**XYZ(33.1332, 31.5218,
20.8610)**

Conversions

Conversions Part 1

Format	Color
Hex	B99074
RGB	185, 144, 116
RGB Percent	73%, 56%, 45%
CMY	0.2745, 0.4353, 0.5451
CMYK	0.00, 0.22, 0.37, 0.27
HSL	24°, 33%, 59%
HSV	24°, 37%, 73%
XYZ	33.1332, 31.5218, 20.8610
YIQ	153.0670, 33.4240, -0.0160

Conversions

Conversions Part 2

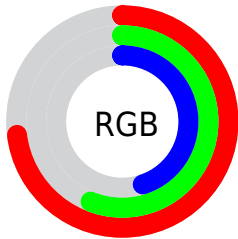
Format	Color
RYB	185, 163, 116
Decimal	12161140
CIELab	62.95, 11.61, 20.82
CIElCh	63, 23.835, 60.847
Yxy	31.5218, 0.3875, 0.3686
Android (android.graphics.Color)	4290351220 (0xFFB99074)
YUV	153.0670, -18.2740, 28.0052
Hunter-Lab	56.1443, 7.0882, 17.2712

Details

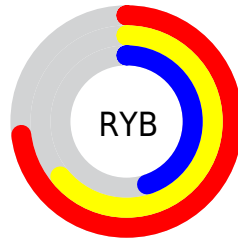
The XYZ color **33.1332, 31.5218, 20.8610** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.0158, 31.3284, 50.4692**, and the grayscale version is **30.3750, 31.9569, 34.8010**.

A 20% lighter version of the original color is **63.8799, 62.0926, 45.6640**, and **14.2520, 13.1686, 7.2595** is the 20% darker color. If you saturate the color by 10%, you get **30.5780, 27.9655, 15.2184**, and if you desaturate by 10%, it is **36.0664, 35.4911, 27.6875**.

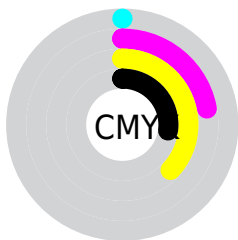
Distribution



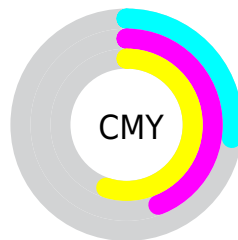
- Red (73%)
- Green (56%)
- Blue (45%)



- Red (73%)
- Yellow (64%)
- Blue (45%)



- Cyan (0%)
- Magenta (22%)
- Yellow (37%)
- Black (27%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1332, 31.5218, 20.8610 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 33.1332, 31.5218, 20.8610 by changing the saturation by 10% instead.


 33.1332, 31.5218,
20.8610


 33.1332, 31.5218,
20.8610


307.9039,
308.9351, 269.2956

 22.3882, 20.9965,
12.8322


 63.9367, 62.0607,
45.7339

 14.2606, 13.1214,
7.1837


 84.7260, 82.8430,
63.4150

 8.3851, 7.5122,
3.4971


 109.5940,
107.8132, 85.1507

 4.3962, 3.7845,
1.3537

138.9063,
137.3556, 111.3594

 1.9286, 1.5537,
0.1052

173.0280,
171.8546, 142.4597

 0.5934, 0.3261,
0.0000

212.3246,

 0.0000, 0.0000,

211.6946, 178.8701

0.0000

257.1615,
257.2599, 221.0093

■ 33.1332, 31.5218,
20.8610

■ 33.1332, 31.5218,
20.8610

■ 30.5780, 27.9655,
15.2184

■ 36.0664, 35.4911,
27.6875

■ 28.3811, 24.8032,
10.6890

■ 39.3915, 39.8823,
35.7594

■ 26.5242, 22.0213,
7.1973


■ 43.1242, 44.7100,
45.1360


■ 24.9864, 19.6032,
4.6575


■ 47.2790, 49.9862,
55.8723

■ 23.7436, 17.5308,
2.9696


■ 51.8693, 55.7228,
68.0200

 22.7633, 15.7819,
1.9901

 56.9081, 61.9310,
81.6284

 22.5293, 15.3578,
1.7769

 62.4078, 68.6218,
96.7439

 66.8965, 75.2123,
105.5993

 70.0869, 81.5930,
106.6628

Harmonies

Analogous

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



35.6971, 31.5218, 25.8822



33.1332, 31.5218, 20.8610



29.8675, 31.5218, 19.2660

Triad

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



33.1332, 31.5218, 20.8610



24.0962, 31.5218, 34.5892



33.3059, 31.5218, 52.2452

Complementary

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



33.1332, 31.5218, 20.8610



28.0158, 31.3284, 50.4692

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.



30.0537, 31.5218, 55.6908



33.1332, 31.5218, 20.8610



24.8740, 31.5218, 44.4217

Square

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



33.1332, 31.5218, 20.8610



24.7919, 31.5218, 26.2666



26.9971, 31.5218, 52.5987



35.8018, 31.5218, 43.8756

Rectangle

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



33.1332, 31.5218, 20.8610



27.7755, 31.5218, 20.0791



26.9971, 31.5218, 52.5987



32.2573, 31.5218, 54.0794

Sweetspot

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



33.1340, 31.5233, 20.8616



74.5509, 76.6236, 74.0332



32.3731, 25.2534, 35.2459



15.8775, 16.2676, 15.4717



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.1340, 31.5233, 20.8616



55.4366, 51.0334, 28.6993



39.1003, 43.4558, 22.8504



9.2958, 9.5946, 9.4689



15.4082, 10.5927, 1.2325



0.6044, 0.4958, 0.0639

Inverse Universe

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



28.0158, 31.3284, 50.4692



44.8959, 50.6103, 89.6071



23.0303, 21.3573, 48.8073



8.9527, 9.5826, 11.4572



9.8262, 10.1121, 32.6870



0.4055, 0.4747, 1.1720

Previews

White Background



This preview shows how the XYZ color 33.1332, 31.5218, 20.8610 looks on a white background.

Color Contrast Check

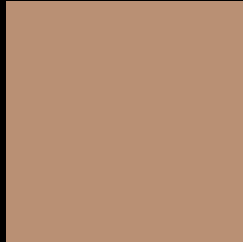
Large Text (above 18pt) WCAG AA × Fail

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 33.1332, 31.5218, 20.8610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

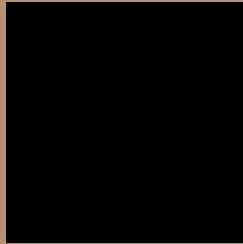
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1332, 31.5218, 20.8610

Background



This preview shows how black text looks on a background with the XYZ color 33.1332, 31.5218, 20.8610.



This preview shows how white text looks on a background with the XYZ color 33.1332, 31.5218,

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

33.1332, 31.5218, 20.8610

Protanopia

29.5187, 31.4939, 22.2924

Deuteranopia

32.2537, 31.5220, 20.9074



Tritanopia

35.4767, 31.3586, 33.0372

Trichromacy



Original Color

33.1332, 31.5218, 20.8610

Protanomaly

30.6548, 31.3728, 21.8926

Deuteranomaly

32.5692, 31.4568, 20.8782

Tritanomaly

34.6058, 31.4495, 28.2912

Monochromacy



Original Color

33.1332, 31.5218, 20.8610

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.1570, 31.7055, 29.2886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1332, 31.5218, 20.8610 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(185, 144, 116)` looks like.

```
.text, #text, p{  
    color:rgb(185, 144, 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(185, 144, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 144, 116) }
```

Border

The CSS property to change the border of an element to XYZ 33.1332, 31.5218, 20.8610 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(185, 144, 116) }
```


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

```
.border{ border-color:rgb(185, 144, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 144, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 144, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 144, 116);  
box-shadow:4px 4px 4px 4px rgb(185, 144,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1332, 31.5218, 20.8610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 144, 116) }
```

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

```
.background{ background-color: rgb(185,  
144, 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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