

Converting Colors

XYZ(31.4023, 33.0158, 22.3286)

Have a look what the booklet for
XYZ(31.4023, 33.0158, 22.3286)
contains.

XYZ(31.3080, 32.9023, 22.4700)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.3080, 32.9023,
22.4700)**

Conversions

Conversions Part 1

Format	Color
Hex	A99A78
RGB	169, 154, 120
RGB Percent	66%, 60%, 47%
CMY	0.3373, 0.3961, 0.5294
CMYK	0.00, 0.09, 0.29, 0.34
HSL	42°, 22%, 57%
HSV	42°, 29%, 66%
XYZ	31.3080, 32.9023, 22.4700
YIQ	154.6090, 19.8540, -7.3940

Conversions

Conversions Part 2

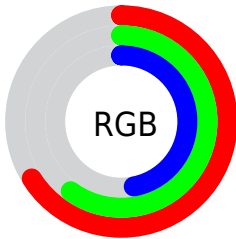
Format	Color
RYB	142, 169, 120
Decimal	11115128
CIELab	64.08, 0.13, 19.88
CIELCh	64, 19.883, 89.625
Yxy	32.9023, 0.3612, 0.3796
Android (android.graphics.Color)	4289305208 (0xFFA99A78)
YUV	154.6090, -17.0622, 12.6209
Hunter-Lab	57.3605, -2.9537, 16.9265

Details

The XYZ color **31.3080, 32.9023, 22.4700** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.5710, 24.1850, 40.9622**, and the grayscale version is **31.0505, 32.6675, 35.5750**.

A 20% lighter version of the original color is **61.0536, 64.0979, 48.1840**, and **13.1900, 13.8684, 7.9429** is the 20% darker color. If you saturate the color by 10%, you get **29.5365, 30.8582, 17.2582**, and if you desaturate by 10%, it is **33.2991, 35.0954, 28.6489**.

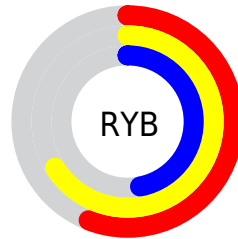
Distribution



Red (66%)

Green (60%)

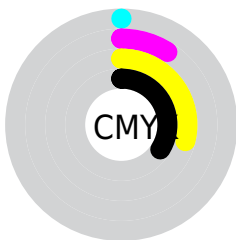
Blue (47%)



Red (56%)

Yellow (66%)

Blue (47%)

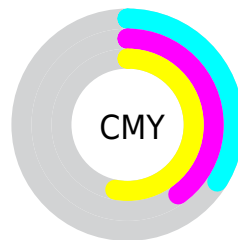


Cyan (0%)

Magenta (9%)

Yellow (29%)

Black (34%)



Cyan (34%)

Magenta (40%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3080, 32.9023, 22.4700 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 31.3080, 32.9023, 22.4700 by changing the saturation by 10% instead.

■ 31.3080, 32.9023,
22.4700

■ 31.3080, 32.9023,
22.4700

299.7564,
315.2093, 278.0241

■ 20.9865, 22.0516,
14.0010

■ 61.0972, 64.2230,
48.4337

■ 13.2265, 13.8948,
7.9826

■ 81.2956, 85.4617,
66.7655

■ 7.6628, 8.0476,
3.9962

■ 105.5170,
110.9320, 89.2220

■ 3.9299, 4.1254,
1.6233

134.1267,
141.0181, 116.2218

■ 1.6626, 1.7440,
0.3073

167.4902,
176.1045, 148.1834

■ 0.4327, 0.4519,
0.0000

205.9727,

■ 0.0000, 0.0000,

216.5756, 185.5252

0.0000

249.9397,
262.8157, 228.6660

■ 31.3080, 32.9023,
22.4700

■ 31.3080, 32.9023,
22.4700

■ 29.5365, 30.8582,
17.2582

■ 33.2991, 35.0954,
28.6489

■ 27.9719, 28.9538,
12.9611

■ 35.5165, 37.4375,
35.8395

■ 26.6044, 27.1857,
9.5246

■ 37.9697, 39.9342,
44.0860

■ 25.4220, 25.5482,
6.8878

■ 40.6668, 42.5894,
53.4293

■ 24.4110, 24.0351,
4.9820

■ 43.6158, 45.4071,
63.9084

■ 23.5558, 22.6394,
3.7267

■ 46.8239, 48.3907,
75.5600

■ 22.8263, 21.3483,
2.9664

■ 50.2983, 51.5438,
88.4195

■ 22.7560, 21.2225,
2.8970

■ 54.0132, 54.8568,
102.3494

■ 55.1952, 57.2210,
102.7434

Harmonies

Analogous

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



34.0856, 32.9023, 24.0626



31.3080, 32.9023, 22.4700



28.6766, 32.9023, 23.9851

Triad

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



31.3080, 32.9023, 22.4700



26.8063, 32.9023, 44.0333



36.1705, 32.9023, 44.2347

Complementary

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



31.3080, 32.9023, 22.4700



23.5710, 24.1850, 40.9622

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.



34.0208, 32.9023, 51.0333



31.3080, 32.9023, 22.4700



28.6189, 32.9023, 50.9053

Square

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



31.3080, 32.9023, 22.4700



26.1739, 32.9023, 35.7239



31.2373, 32.9023, 53.6374



36.9939, 32.9023, 35.9263

Rectangle

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



31.3080, 32.9023, 22.4700



27.3337, 32.9023, 26.7054



31.2373, 32.9023, 53.6374



35.5730, 32.9023, 46.8151

Sweetspot

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



31.3088, 32.9038, 22.4707



63.5377, 66.9755, 63.9550



27.4887, 23.6323, 26.2260



13.7219, 14.4662, 13.5227



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.3088, 32.9038, 22.4707



53.9242, 56.4699, 33.8639



32.0790, 37.2076, 23.2608



7.9502, 8.3805, 7.9878



17.0087, 15.9147, 2.1754



0.4558, 0.4713, 0.0669

Inverse Universe

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



23.5710, 24.1850, 40.9622



37.7175, 38.2149, 72.6134



22.9290, 20.9638, 40.3743



7.3121, 7.6611, 9.5117



6.2859, 4.0320, 28.4224



0.1976, 0.1875, 0.7064

Previews

White Background



This preview shows how the XYZ color 31.3080, 32.9023, 22.4700 looks on a white background.

Color Contrast Check

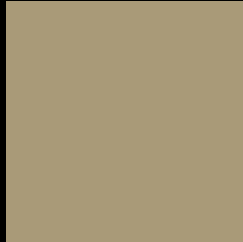
Large Text (above 18pt) WCAG AA × Fail

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 31.3080, 32.9023, 22.4700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

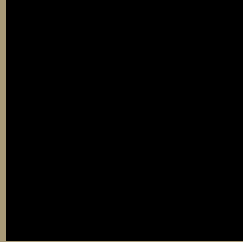
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3080, 32.9023, 22.4700

Background



This preview shows how black text looks on a background with the XYZ color 31.3080, 32.9023, 22.4700.



This preview shows how white text looks on a background with the XYZ color 31.3080, 32.9023,

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

31.3080, 32.9023, 22.4700

Protanopia

30.8984, 32.9302, 22.8168

Deuteranopia

33.4900, 32.8205, 22.6590



Tritanopia

34.5482, 33.0316, 37.8126

Trichromacy



Original Color

31.3080, 32.9023, 22.4700

Protanomaly

31.1089, 33.0387, 22.8266

Deuteranomaly

32.6493, 32.8608, 22.7111

Tritanomaly

33.1907, 32.9482, 31.3984

Monochromacy



Original Color

31.3080, 32.9023, 22.4700

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1010, 32.8693, 30.2964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3080, 32.9023, 22.4700 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(169, 154, 120)` looks like.

```
.text, #text, p{  
    color:rgb(169, 154, 120)  
}
```

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(169, 154, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 154, 120) }
```

Border

The CSS property to change the border of an element to XYZ 31.3080, 32.9023, 22.4700 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(169, 154, 120) }
```


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

```
.border{ border-color:rgb(169, 154, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 154, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 154, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 154, 120);  
box-shadow:4px 4px 4px 4px rgb(169, 154,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3080, 32.9023, 22.4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 154, 120) }
```

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

```
.background{ background-color: rgb(169,  
154, 120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor