

Converting Colors

XYZ(31.7343, 32.8850, 22.1276)

Have a look what the booklet for
XYZ(31.7343, 32.8850, 22.1276)
contains.

XYZ(31.7343, 32.8850, 22.1276)	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(31.7343, 32.8850,
22.1276)**

Conversions

Conversions Part 1

Format	Color
Hex	AC9977
RGB	172, 153, 119
RGB Percent	67%, 60%, 47%
CMY	0.3255, 0.4000, 0.5333
CMYK	0.00, 0.11, 0.31, 0.33
HSL	38°, 24%, 57%
HSV	38°, 31%, 67%
XYZ	31.7343, 32.8850, 22.1276
YIQ	154.8050, 22.2380, -6.5460

Conversions

Conversions Part 2

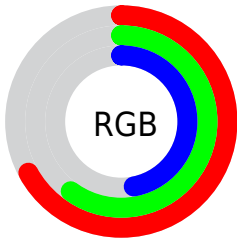
Format	Color
RYB	149, 172, 119
Decimal	11311479
CIELab	64.07, 1.75, 20.46
CIELCh	64, 20.537, 85.110
Yxy	32.8850, 0.3658, 0.3791
Android (android.graphics.Color)	4289501559 (0xFFAC9977)
YUV	154.8050, -17.6519, 15.0800
Hunter-Lab	57.3454, -1.5747, 17.2639

Details

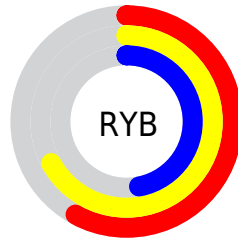
The XYZ color **31.7343, 32.8850, 22.1276** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.1425, 25.0769, 42.5979**, and the grayscale version is **31.1389, 32.7605, 35.6762**.

A 20% lighter version of the original color is **61.6584, 64.0599, 47.6431**, and **13.4646, 13.8669, 7.7613** is the 20% darker color. If you saturate the color by 10%, you get **29.8105, 30.5436, 16.8431**, and if you desaturate by 10%, it is **33.8989, 35.4085, 28.4155**.

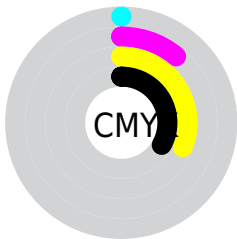
Distribution



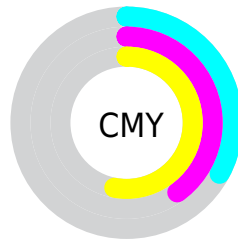
- Red (67%)
- Green (60%)
- Blue (47%)



- Red (58%)
- Yellow (67%)
- Blue (47%)



- Cyan (0%)
- Magenta (11%)
- Yellow (31%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7343, 32.8850, 22.1276 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 31.7343, 32.8850, 22.1276 by changing the saturation by 10% instead.

■ 31.7343, 32.8850,
22.1276

■ 31.7343, 32.8850,
22.1276

301.6740,
315.1312, 276.1871

■ 21.3132, 22.0384,
13.7515

■ 61.7623, 64.1959,
47.8617

■ 13.4669, 13.8851,
7.8112

■ 82.1000, 85.4290,
66.0567

■ 7.8300, 8.0408,
3.8884

■ 106.4738,
110.8931, 88.3618

■ 4.0373, 4.1211,
1.5643

135.2493,
140.9725, 115.1955

■ 1.7232, 1.7415,
0.2652

168.7917,
176.0516, 146.9764

■ 0.4708, 0.4503,
0.0000

207.4663,

■ 0.0000, 0.0000,

216.5148, 184.1229

0.0000

251.6386,
262.7466, 227.0536

■ 31.7343, 32.8850,
22.1276

■ 31.7343, 32.8850,
22.1276

■ 29.8105, 30.5436,
16.8431

■ 33.8989, 35.4085,
28.4155

■ 28.1142, 28.3741,
12.5065

■ 36.3118, 38.1149,
35.7542

■ 26.6342, 26.3722,
9.0601


■ 38.9835, 41.0105,
44.1904


■ 25.3576, 24.5311,
6.4389


■ 41.9227, 44.1002,
53.7675


■ 24.2695, 22.8437,
4.5691


■ 45.1380, 47.3885,
64.5265


 23.3525, 21.3017,
3.3633

 48.6374, 50.8797,
76.5063

 22.6273, 19.9985,
2.6675

 52.4285, 54.5780,
89.7441

 56.2599, 58.3839,
102.9117

 57.7386, 61.3411,
103.4046

Harmonies

Analogous

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



34.5578, 32.8850, 24.2329



31.7343, 32.8850, 22.1276



28.9477, 32.8850, 23.1979

Triad

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



31.7343, 32.8850, 22.1276



26.4711, 32.8850, 43.0245



36.0601, 32.8850, 45.7469

Complementary

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



31.7343, 32.8850, 22.1276



24.1425, 25.0769, 42.5979

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.



33.6843, 32.8850, 52.3129



31.7343, 32.8850, 22.1276



28.1719, 32.8850, 50.5784

Square

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



31.7343, 32.8850, 22.1276



26.0198, 32.8850, 34.4611



30.7829, 32.8850, 54.2048



37.1518, 32.8850, 37.1858

Rectangle

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



31.7343, 32.8850, 22.1276



27.4675, 32.8850, 25.6708



30.7829, 32.8850, 54.2048



35.3783, 32.8850, 48.3098

Sweetspot

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



31.7351, 32.8865, 22.1283



66.6426, 69.9896, 67.2520



28.2293, 23.8123, 27.3183



14.3400, 15.0532, 14.1704



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.7351, 32.8865, 22.1283



55.1347, 56.7148, 33.3858



33.5858, 38.8294, 23.1778



8.4175, 8.8399, 8.4760



16.8916, 14.9886, 2.0028



0.5192, 0.5155, 0.0721

Inverse Universe

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



24.1425, 25.0769, 42.5979



39.1445, 40.2744, 76.5164



22.6576, 20.6133, 41.8146



7.8051, 8.2095, 10.1259



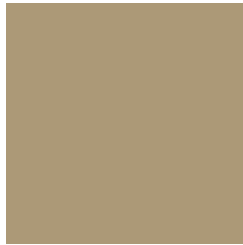
6.8570, 4.8479, 29.6188



0.2434, 0.2402, 0.8415

Previews

White Background



This preview shows how the XYZ color 31.7343, 32.8850, 22.1276 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 31.7343, 32.8850, 22.1276 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 31.7343, 32.8850, 22.1276

Background



This preview shows how black text looks on a background with the XYZ color 31.7343, 32.8850, 22.1276.



This preview shows how white text looks on a background with the XYZ color 31.7343, 32.8850,

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

31.7343, 32.8850, 22.1276

Protanopia

30.8374, 32.9057, 22.4954

Deuteranopia

33.4290, 32.7960, 22.3377



Tritanopia

34.9794, 33.0301, 37.3327

Trichromacy



Original Color

31.7343, 32.8850, 22.1276

Protanomaly

31.0942, 32.7921, 22.4600

Deuteranomaly

32.6566, 32.6337, 22.3471

Tritanomaly

33.6196, 32.9403, 30.9717

Monochromacy



Original Color

31.7343, 32.8850, 22.1276

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1360, 32.6413, 30.2505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7343, 32.8850, 22.1276 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(172, 153, 119)` looks like.

```
.text, #text, p{  
    color:rgb(172, 153, 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(172, 153, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 153, 119) }
```

Border

The CSS property to change the border of an element to XYZ 31.7343, 32.8850, 22.1276 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(172, 153, 119) }
```


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

```
.border{ border-color:rgb(172, 153, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 153, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 153, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 153, 119);  
box-shadow:4px 4px 4px 4px rgb(172, 153,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7343, 32.8850, 22.1276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 153, 119) }
```

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

```
.background{ background-color: rgb(172,  
153, 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](#).

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