

Converting Colors

XYZ(31.9517, 28.9216, 3.9558)

Have a look what the booklet for
XYZ(31.9517, 28.9216, 3.9558)
contains.

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Color

**XYZ(31.9517, 28.9216,
3.9558)**

Conversions

Conversions Part 1

Format	Color
Hex	C78502
RGB	199, 133, 2
RGB Percent	78%, 52%, 1%
CMY	0.2196, 0.4784, 0.9921
CMYK	0.00, 0.33, 0.99, 0.22
HSL	40°, 98%, 39%
HSV	40°, 99%, 78%
XYZ	31.9517, 28.9216, 3.9558
YIQ	137.8000, 81.3870, -26.7490

Conversions

Conversions Part 2

Format	Color
R_{YB}	101, 199, 2
Decimal	13075714
CIE Lab	60.71, 17.00, 66.02
CIE LCh	61, 68.177, 75.558
Yxy	28.9216, 0.4929, 0.4461
Android (android.graphics.Color)	4291265794 (0xFFC78502)
YUV	137.8000, -66.9494, 53.6724
Hunter-Lab	53.7788, 11.9396, 33.2840

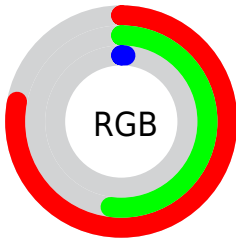
Details

The XYZ color **31.9517, 28.9216, 3.9558** is a dark color, and the websafe version is hex **CC9900**.

The color can be described as dark washed orange. A complement of this color would be **12.4012, 8.2710, 54.9753**, and the grayscale version is **24.3078, 25.5737, 27.8497**.

A 20% lighter version of the original color is **59.9362, 56.8327, 13.7721**, and **13.8178, 11.8296, 1.5551** is the 20% darker color. If you saturate the color by 10%, you get **31.8495, 28.7349, 3.8678**, and if you desaturate by 10%, it is **33.0272, 30.8602, 4.9704**.

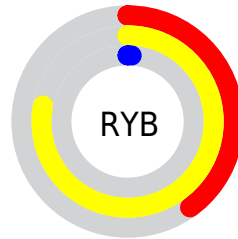
Distribution



Red (78%)

Green (52%)

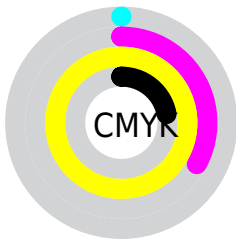
Blue (1%)



Red (40%)

Yellow (78%)

Blue (1%)

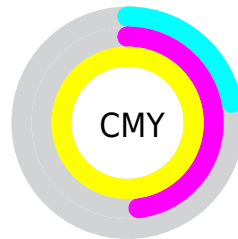


Cyan (0%)

Magenta (33%)

Yellow (99%)

Black (22%)



Cyan (22%)

Magenta (48%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9517, 28.9216, 3.9558 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 31.9517, 28.9216, 3.9558 by changing the saturation by 10% instead.

■ 31.9517, 28.9216,
3.9558

■ 31.9517, 28.9216,
3.9558

302.6484,
296.8449, 147.7328

■ 21.4800, 19.0215,
1.6011

■ 62.1011, 57.9525,
13.9077

■ 13.5898, 11.6858,
0.2916

■ 82.5094, 77.8521,
22.3420

■ 7.9157, 6.5301,
0.0000

■ 106.9607,
101.8537, 33.6399

■ 4.0924, 3.1700,
0.0000

■ 135.8203,
130.3416, 48.2200

■ 1.7545, 1.2211,
0.0000

■ 169.4534,
163.7003, 66.5008

■ 0.4900, 0.0789,
0.0000

■ 208.2256,

■ 0.0000, 0.0000,

202.3142, 88.9008

0.0000

■ 252.5021,
246.5675, 115.8387

■ 31.9517, 28.9216,
3.9558

■ 31.9517, 28.9216,
3.9558

■ 31.8495, 28.7349,
3.8678

■ 33.0272, 30.8602,
4.9704

■ 34.2988, 32.9703,
6.7288

■ 35.8067, 35.2710,
9.4364

■ 37.5752, 37.7735,
13.2154

■ 39.6249, 40.4875,
18.1694

■ 41.9740, 43.4219,
24.3899

■ 44.6389, 46.5847,
31.9589

■ 47.6349, 49.9835,
40.9519

■ 50.9759, 53.6251,
51.4385

Harmonies

Analogous

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



41.1964, 28.9216, 7.9486



31.9517, 28.9216, 3.9558



23.1761, 28.9216, 4.0177

Triad

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



31.9517, 28.9216, 3.9558



14.1468, 28.9216, 46.4407



41.5038, 28.9216, 79.3751

Complementary

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



31.9517, 28.9216, 3.9558



12.4012, 8.2710, 54.9753

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.



32.3065, 28.9216, 105.5558



31.9517, 28.9216, 3.9558



17.2194, 28.9216, 80.6233

Square

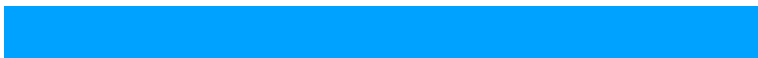
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.9517, 28.9216, 3.9558



14.0918, 28.9216, 20.8399



23.4627, 28.9216, 106.1064



47.4621, 28.9216, 45.2643

Rectangle

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



31.9517, 28.9216, 3.9558



18.7393, 28.9216, 6.1650



23.4627, 28.9216, 106.1064



38.6101, 28.9216, 90.0426

Sweetspot

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



31.9523, 28.9231, 3.9563



77.4485, 80.7391, 53.8854



24.7107, 12.6400, 7.0912



16.1426, 16.7692, 10.2890



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.9523, 28.9231, 3.9563



55.5348, 49.8495, 6.6949



36.8933, 49.3359, 7.6360



11.2130, 11.7952, 11.2485



20.5635, 18.6442, 2.5149



1.0384, 1.0123, 0.1407

Inverse Universe

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



12.4012, 8.2710, 54.9753



21.3322, 13.7845, 96.1441



10.9125, 4.4671, 54.3195



10.3422, 10.8585, 13.4683



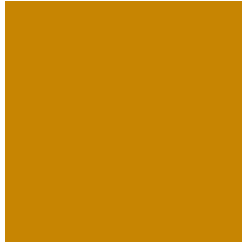
7.9795, 5.3530, 35.3570



0.4449, 0.3875, 1.6965

Previews

White Background



This preview shows how the XYZ color 31.9517, 28.9216, 3.9558 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9517, 28.9216, 3.9558 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 × Fail

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

XYZ 31.9517, 28.9216, 3.9558

Background



This preview shows how black text looks on a background with the XYZ color 31.9517, 28.9216, 3.9558.



This preview shows how white text looks on a background with the XYZ color 31.9517, 28.9216,

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

31.9517, 28.9216, 3.9558

Protanopia

26.2322, 29.0035, 4.5964

Deuteranopia

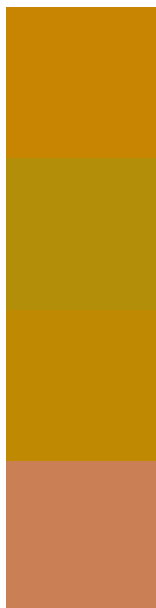
29.4823, 28.9043, 4.0252



Tritanopia

36.6181, 29.0879, 25.8748

Trichromacy



Original Color

31.9517, 28.9216, 3.9558

Protanomaly

28.0824, 28.8307, 4.3432

Deuteranomaly

30.4370, 28.9699, 4.0163

Tritanomaly

33.8577, 28.5311, 12.3169

Monochromacy



Original Color

31.9517, 28.9216, 3.9558

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.1045, 25.8032, 13.1086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9517, 28.9216, 3.9558 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(199, 133, 2)` looks like.

```
.text, #text, p{  
    color:rgb(199, 133, 2)  
}
```

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(199, 133, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 133, 2) }
```

Border

The CSS property to change the border of an element to XYZ 31.9517, 28.9216, 3.9558 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(199, 133, 2) }
```


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

```
.border{ border-color:rgb(199, 133, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 133, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 133, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 133, 2);  
box-shadow:4px 4px 4px 4px rgb(199, 133,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9517, 28.9216, 3.9558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 133, 2) }
```

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

```
.background{ background-color: rgb(199,  
133, 2) }
```

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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