

Converting Colors

XYZ(32.8998, 31.0900, 4.7189)

Have a look what the booklet for
XYZ(32.8998, 31.0900, 4.7189)
contains.

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Color

**XYZ(32.8998, 31.0900,
4.7189)**

Conversions

Conversions Part 1

Format	Color
Hex	C68D0F
RGB	198, 141, 15
RGB Percent	78%, 55%, 6%
CMY	0.2235, 0.4470, 0.9411
CMYK	0.00, 0.29, 0.92, 0.22
HSL	41°, 86%, 42%
HSV	41°, 92%, 78%
XYZ	32.8998, 31.0900, 4.7189
YIQ	143.6790, 74.4180, -27.1020

Conversions

Conversions Part 2

Format	Color
R _Y B	98, 198, 15
Decimal	13012239
CIE Lab	62.58, 12.34, 65.24
CIE LCh	63, 66.395, 79.286
Yxy	31.0900, 0.4788, 0.4525
Android (android.graphics.Color)	4291202319 (0xFFC68D0F)
YUV	143.6790, -63.4387, 47.6395
Hunter-Lab	55.7584, 7.7453, 34.0131

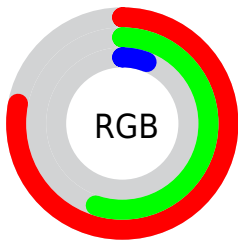
Details

The XYZ color **32.8998, 31.0900, 4.7189** 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 **12.7076, 8.8139, 54.4571**, and the grayscale version is **26.6072, 27.9929, 30.4843**.

A 20% lighter version of the original color is **61.9069, 60.3936, 15.6020**, and **14.3885, 12.9711, 1.7453** is the 20% darker color. If you saturate the color by 10%, you get **32.1394, 29.7074, 4.0402**, and if you desaturate by 10%, it is **34.0496, 33.0470, 6.1593**.

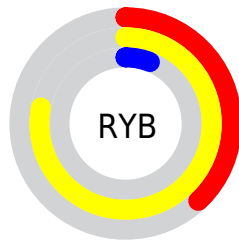
Distribution



Red (78%)

Green (55%)

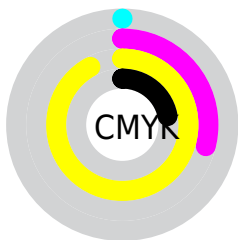
Blue (6%)



Red (38%)

Yellow (78%)

Blue (6%)

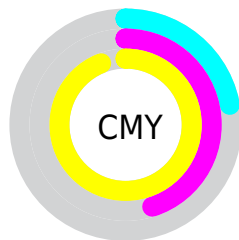


Cyan (0%)

Magenta (29%)

Yellow (92%)

Black (22%)



Cyan (22%)


Magenta (45%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8998, 31.0900, 4.7189 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 32.8998, 31.0900, 4.7189 by changing the saturation by 10% instead.


 32.8998, 31.0900,
4.7189


 32.8998, 31.0900,
4.7189


306.8710,
306.9527, 155.9090

 22.2086, 20.6674,
2.0275


 63.5748, 61.3817,
15.6365


 14.1277, 12.8811,
0.5721


 84.2892, 82.0197,
24.6997


 8.2918, 7.3467,
0.0000


 109.0755,
106.8315, 36.7239


 4.3356, 3.6799,
0.0000

 138.2989,
136.2016, 52.1277

 1.8937, 1.4961,
0.0000

 172.3248,
170.5144, 71.3295

 0.5732, 0.2860,
0.0000

 211.5185,

 0.0000, 0.0000,

210.1542, 94.7480

0.0000

256.2455,
255.5055, 122.8017

32.8998, 31.0900,
4.7189

32.8998, 31.0900,
4.7189

32.1394, 29.7074,
4.0402

34.0496, 33.0470,
6.1593

35.4156, 35.1714,
8.4876

37.0237, 37.4763,
11.8332

38.8951, 39.9712,
16.3040

41.0483, 42.6648,
21.9937

■ 43.4999, 45.5649,
28.9864

■ 46.2652, 48.6788,
37.3585

■ 49.3581, 52.0131,
47.1806

■ 52.7919, 55.5742,
58.5183

Harmonies

Analogous

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



42.3958, 31.0900, 8.4068



32.8998, 31.0900, 4.7189



24.1744, 31.0900, 5.2556

Triad

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



32.8998, 31.0900, 4.7189



15.9959, 31.0900, 53.0922



44.7750, 31.0900, 77.7951

Complementary

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



32.8998, 31.0900, 4.7189



12.7076, 8.8139, 54.4571

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.



35.6689, 31.0900, 105.9016



32.8998, 31.0900, 4.7189



19.6029, 31.0900, 87.3185

Square

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



32.8998, 31.0900, 4.7189



15.5535, 31.0900, 25.4170



26.4359, 31.0900, 110.0730



50.1235, 31.0900, 43.9722

Rectangle

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



32.8998, 31.0900, 4.7189



19.8564, 31.0900, 8.0956



26.4359, 31.0900, 110.0730



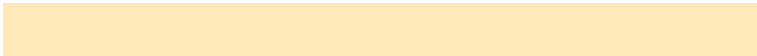
41.9750, 31.0900, 88.8271

Sweetspot

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



32.9005, 31.0916, 4.7195



78.9214, 82.8471, 56.9594



24.6606, 12.8280, 7.4719



16.4503, 17.2272, 10.8765



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.



32.9005, 31.0916, 4.7195



56.6828, 52.1456, 7.0776



35.6833, 48.3629, 7.9065



11.2345, 11.8381, 11.2556



20.9803, 19.4779, 2.6538



1.0559, 1.0472, 0.1465

Inverse Universe

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



12.7076, 8.8139, 54.4571



20.8765, 12.8730, 95.9922



11.6093, 5.0611, 53.7907



10.3217, 10.8175, 13.4615



7.8052, 5.0043, 35.2989



0.4349, 0.3676, 1.6932

Previews

White Background



This preview shows how the XYZ color 32.8998, 31.0900, 4.7189 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 32.8998, 31.0900, 4.7189 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 32.8998, 31.0900, 4.7189

Background



This preview shows how black text looks on a background with the XYZ color 32.8998, 31.0900, 4.7189.



This preview shows how white text looks on a background with the XYZ color 32.8998, 31.0900,

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

32.8998, 31.0900, 4.7189

Protanopia

28.1404, 31.1614, 5.1477

Deuteranopia

31.7663, 31.1749, 4.6303



Tritanopia

37.8259, 30.9931, 29.1879

Trichromacy



Original Color

32.8998, 31.0900, 4.7189

Protanomaly

29.7551, 31.0472, 4.9967

Deuteranomaly

32.1370, 31.1408, 4.6648

Tritanomaly

35.0867, 30.7107, 14.9050

Monochromacy



Original Color

32.8998, 31.0900, 4.7189

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.2900, 28.4005, 15.3528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8998, 31.0900, 4.7189 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(198, 141, 15)` looks like.

```
.text, #text, p{  
    color:rgb(198, 141, 15)  
}
```

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(198, 141, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 141, 15) }
```

Border

The CSS property to change the border of an element to XYZ 32.8998, 31.0900, 4.7189 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(198, 141, 15) }
```


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

```
.border{ border-color:rgb(198, 141, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 141, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 141, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 141, 15);  
box-shadow:4px 4px 4px 4px rgb(198, 141,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8998, 31.0900, 4.7189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 141, 15) }
```

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

```
.background{ background-color: rgb(198,  
141, 15) }
```

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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