

Converting Colors

XYZ(31.4759, 29.9351, 4.1191)

Have a look what the booklet for
XYZ(31.4759, 29.9351, 4.1191)
contains.

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Color

**XYZ(31.4808, 29.9346,
4.1187)**

Conversions

Conversions Part 1

Format	Color
Hex	C28B00
RGB	194, 139, 0
RGB Percent	76%, 55%, 0%
CMY	0.2392, 0.4549, 1.0000
CMYK	0.00, 0.28, 1.00, 0.24
HSL	43°, 100%, 38%
HSV	43°, 100%, 76%
XYZ	31.4808, 29.9346, 4.1187
YIQ	139.5990, 77.3990, -31.5690

Conversions

Conversions Part 2

Format	Color
R_{YB}	77, 194, 0
Decimal	12749568
CIE Lab	61.60, 11.47, 66.65
CIE LCh	62, 67.632, 80.235
Yxy	29.9346, 0.4804, 0.4568
Android (android.graphics.Color)	4290939648 (0xFFC28B00)
YUV	139.5990, -68.8223, 47.7097
Hunter-Lab	54.7125, 6.9594, 33.8355

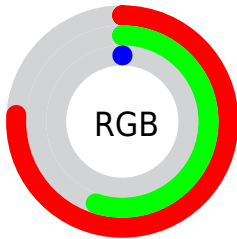
Details

The XYZ color **31.4808, 29.9346, 4.1187** 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 **11.1040, 6.6278, 51.7327**, and the grayscale version is **25.0102, 26.3126, 28.6545**.

A 20% lighter version of the original color is **61.2270, 59.4142, 14.2023**, and **13.5641, 12.2957, 1.6584** is the 20% darker color. If you saturate the color by 10%, you get **31.4810, 29.9353, 4.1189**, and if you desaturate by 10%, it is **32.4190, 31.6176, 5.0287**.

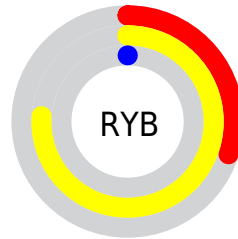
Distribution



Red (76%)

Green (55%)

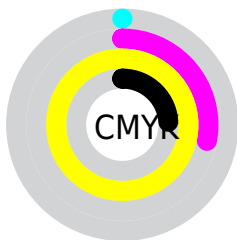
Blue (0%)



Red (30%)

Yellow (76%)

Blue (0%)

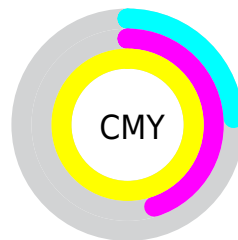


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4808, 29.9346, 4.1187 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 31.4808, 29.9346, 4.1187 by changing the saturation by 10% instead.


 31.4808, 29.9346,
4.1187


 31.4808, 29.9346,
4.1187


300.5348,
301.5995, 149.5357

 21.1189, 19.7890,
1.6907


 61.3670, 59.5587,
14.2826

 13.3239, 12.2417,
0.3543


 81.6219, 79.8060,
22.8556


 7.7305, 6.9085,
0.0000


 105.9052,
104.1893, 34.3139

 3.9733, 3.4050,
0.0000

 134.5822,
133.0930, 49.0763

 1.6871, 1.3466,
0.0000

 168.0183,
166.9014, 67.5611


 0.4481, 0.1769,
0.0000


 206.5789,


 0.0000, 0.0000,


205.9991, 90.1869


0.0000


 250.6293,
250.7703, 117.3722


 31.4808, 29.9346,
4.1187


 31.4808, 29.9346,
4.1187


 31.4810, 29.9353,
4.1189

 32.4190, 31.6176,
5.0287

 33.5182, 33.4287,
6.5887

 34.8225, 35.3879,
9.0262

 36.3548, 37.5049,
12.4576

 38.1341, 39.7885,
16.9816

■ 40.1774, 42.2461,
22.6848

■ 42.5001, 44.8848,
29.6451

■ 45.1160, 47.7110,
37.9338

■ 48.0383, 50.7306,
47.6165

Harmonies

Analogous

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



40.9811, 29.9346, 7.4502



31.4808, 29.9346, 4.1187



22.8902, 29.9346, 4.7350

Triad

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



31.4808, 29.9346, 4.1187



15.1360, 29.9346, 52.8532



43.8876, 29.9346, 75.5358

Complementary

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



31.4808, 29.9346, 4.1187



11.1040, 6.6278, 51.7327

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.



34.8487, 29.9346, 104.4483



31.4808, 29.9346, 4.1187



18.7785, 29.9346, 87.2649

Square

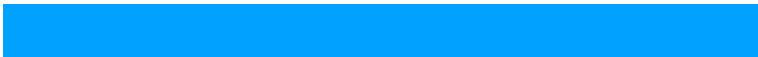
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.4808, 29.9346, 4.1187



14.6071, 29.9346, 24.9083



25.6239, 29.9346, 109.6052



49.0759, 29.9346, 41.7167

Rectangle

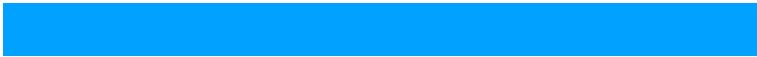
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.4808, 29.9346, 4.1187



18.6964, 29.9346, 7.5480



25.6239, 29.9346, 109.6052



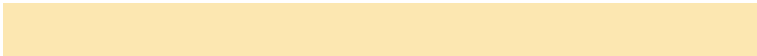
41.1196, 29.9346, 86.7634

Sweetspot

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



31.4815, 29.9361, 4.1193



76.7858, 81.0831, 53.0498



23.0171, 11.7771, 5.0907



16.4074, 17.2986, 10.3773



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.



31.4815, 29.9361, 4.1193



56.8082, 53.7798, 7.3864



32.8480, 45.5719, 7.0653



10.6643, 11.2601, 10.6732



20.7705, 19.8268, 2.7322



0.9536, 0.9689, 0.1368

Inverse Universe

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



11.1040, 6.6278, 51.7327



19.9316, 11.6358, 93.6652



10.5671, 4.3228, 51.3161



9.7557, 10.2026, 12.7400



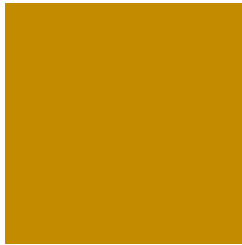
7.3614, 4.4793, 34.0332



0.3786, 0.3147, 1.4907

Previews

White Background



This preview shows how the XYZ color 31.4808, 29.9346, 4.1187 looks on a white background.

Color Contrast Check

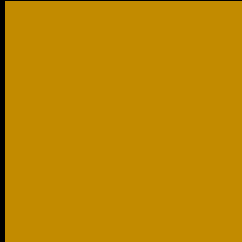
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4808, 29.9346, 4.1187 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 31.4808, 29.9346, 4.1187

Background



This preview shows how black text looks on a background with the XYZ color 31.4808, 29.9346, 4.1187.



This preview shows how white text looks on a background with the XYZ color 31.4808, 29.9346,

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

31.4808, 29.9346, 4.1187

Protanopia

27.1212, 30.1641, 4.7406

Deuteranopia

30.5111, 29.8686, 4.1571



Tritanopia

36.3299, 29.8440, 28.2718

Trichromacy



Original Color

31.4808, 29.9346, 4.1187

Protanomaly

28.4542, 29.9224, 4.5056

Deuteranomaly

30.8639, 29.8325, 4.1315

Tritanomaly

33.4377, 29.4854, 13.1614

Monochromacy



Original Color

31.4808, 29.9346, 4.1187

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.6785, 26.9510, 13.2999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4808, 29.9346, 4.1187 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(194, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 139, 0)  
}
```

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(194, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 139, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.4808, 29.9346, 4.1187 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(194, 139, 0) }
```


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

```
.border{ border-color:rgb(194, 139, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 139, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 139,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4808, 29.9346, 4.1187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 139, 0) }
```

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

```
.background{ background-color: rgb(194,  
139, 0) }
```

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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