

Converting Colors

XYZ(31.0135, 29.3801, 4.0363)

Have a look what the booklet for
XYZ(31.0135, 29.3801, 4.0363)
contains.

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Color

**XYZ(31.0808, 29.5144,
4.0587)**

Conversions

Conversions Part 1

Format	Color
Hex	C18A00
RGB	193, 138, 0
RGB Percent	76%, 54%, 0%
CMY	0.2431, 0.4588, 1.0000
CMYK	0.00, 0.28, 1.00, 0.24
HSL	43°, 100%, 38%
HSV	43°, 100%, 76%
XYZ	31.0808, 29.5144, 4.0587
YIQ	138.7130, 77.0780, -31.2580

Conversions

Conversions Part 2

Format	Color
R_{YB}	77, 193, 0
Decimal	12683776
CIE Lab	61.23, 11.57, 66.35
CIE LCh	61, 67.352, 80.107
Yxy	29.5144, 0.4807, 0.4565
Android (android.graphics.Color)	4290873856 (0xFFC18A00)
YUV	138.7130, -68.3855, 47.6097
Hunter-Lab	54.3272, 7.0481, 33.5995

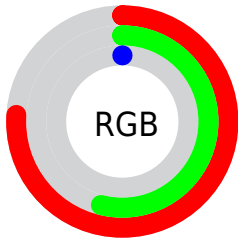
Details

The XYZ color **31.0808, 29.5144, 4.0587** 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 **10.9921, 6.5831, 51.1430**, and the grayscale version is **24.6652, 25.9497, 28.2592**.

A 20% lighter version of the original color is **60.6412, 58.7874, 14.1122**, and **13.3212, 12.0478, 1.6233** is the 20% darker color. If you saturate the color by 10%, you get **31.0810, 29.5150, 4.0588**, and if you desaturate by 10%, it is **32.0108, 31.1824, 4.9617**.

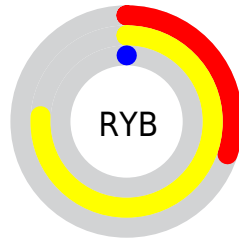
Distribution



Red (76%)

Green (54%)

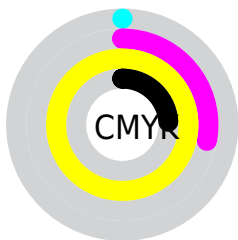
Blue (0%)



Red (30%)

Yellow (76%)

Blue (0%)

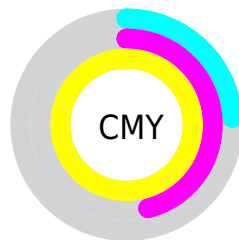


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0808, 29.5144, 4.0587 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 31.0808, 29.5144, 4.0587 by changing the saturation by 10% instead.


 31.0808, 29.5144,
4.0587


 31.0808, 29.5144,
4.0587


298.7306,
299.6344, 148.8756

 20.8125, 19.4703,
1.6576


 60.7422, 58.8934,
14.1449

 13.0987, 12.0106,
0.3314


 80.8661, 78.9970,
22.6671


 7.5740, 6.7509,
0.0000


 105.0059,
103.2227, 34.0668

 3.8731, 3.3068,
0.0000

 133.5269,
131.9547, 48.7624

 1.6306, 1.2939,
0.0000

 166.7945,
165.5775, 67.1725


 0.4122, 0.1365,
0.0000


 205.1741,


 0.0000, 0.0000,


204.4754, 89.7158


0.0000


 249.0310,
249.0329, 116.8106


 31.0808, 29.5144,
4.0587


 31.0808, 29.5144,
4.0587


 31.0810, 29.5150,
4.0588

 32.0108, 31.1824,
4.9617

 33.1001, 32.9777,
6.5065

 34.3926, 34.9200,
8.9185

 35.9107, 37.0192,
12.3128

 37.6732, 39.2837,
16.7867

■ 39.6971, 41.7210,
22.4258

■ 41.9972, 44.3381,
29.3068

■ 44.5876, 47.1412,
37.5002

■ 47.4810, 50.1363,
47.0709

Harmonies

Analogous

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



40.4511, 29.5144, 7.3638



31.0808, 29.5144, 4.0587



22.5969, 29.5144, 4.6510

Triad

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



31.0808, 29.5144, 4.0587



14.9089, 29.5144, 51.9833



43.2489, 29.5144, 74.6533

Complementary

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



31.0808, 29.5144, 4.0587



10.9921, 6.5831, 51.1430

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.



34.3224, 29.5144, 103.1204



31.0808, 29.5144, 4.0587



18.4880, 29.5144, 85.9464

Square

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



31.0808, 29.5144, 4.0587



14.4001, 29.5144, 24.4651



25.2277, 29.5144, 108.0862



48.3913, 29.5144, 41.2634

Rectangle

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



31.0808, 29.5144, 4.0587



18.4512, 29.5144, 7.4076



25.2277, 29.5144, 108.0862



40.5132, 29.5144, 85.7213

Sweetspot

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



31.0815, 29.5159, 4.0593



75.0108, 79.1804, 51.8513



22.7536, 11.6421, 5.0385



15.7057, 16.5524, 9.9504



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.0815, 29.5159, 4.0593



55.4463, 52.4211, 7.1959



32.4729, 45.0492, 6.9841



10.6631, 11.2576, 10.6728



20.7436, 19.7729, 2.7232



0.9526, 0.9669, 0.1364

Inverse Universe

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



10.9921, 6.5831, 51.1430



19.5063, 11.4292, 91.5383



10.4476, 4.2742, 50.7260



9.7569, 10.2050, 12.7404



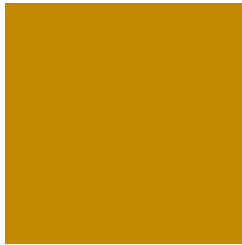
7.3706, 4.4976, 34.0363



0.3792, 0.3157, 1.4908

Previews

White Background



This preview shows how the XYZ color 31.0808, 29.5144, 4.0587 looks on a white background.

Color Contrast Check

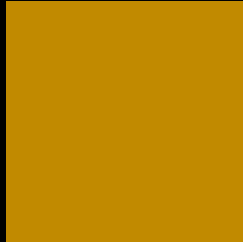
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0808, 29.5144, 4.0587 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 31.0808, 29.5144, 4.0587

Background



This preview shows how black text looks on a background with the XYZ color 31.0808, 29.5144, 4.0587.



This preview shows how white text looks on a background with the XYZ color 31.0808, 29.5144,

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

31.0808, 29.5144, 4.0587

Protanopia

26.7502, 29.7369, 4.6777

Deuteranopia

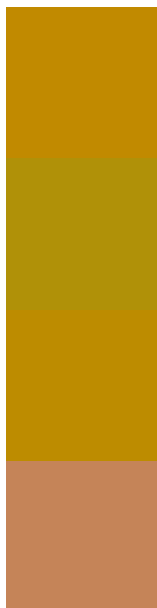
30.0184, 29.6145, 4.1340



Tritanopia

35.8598, 29.4154, 27.8325

Trichromacy



Original Color

31.0808, 29.5144, 4.0587

Protanomaly

28.0737, 29.4984, 4.4439

Deuteranomaly

30.3643, 29.5750, 4.1082

Tritanomaly

33.0387, 29.0774, 13.1037

Monochromacy



Original Color

31.0808, 29.5144, 4.0587

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.2921, 26.5407, 13.0224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0808, 29.5144, 4.0587 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(193, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 138, 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(193, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 138, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.0808, 29.5144, 4.0587 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(193, 138, 0) }
```


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

```
.border{ border-color:rgb(193, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 138,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0808, 29.5144, 4.0587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 138, 0) }
```

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

```
.background{ background-color: rgb(193,  
138, 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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