

Converting Colors

XYZ(31.9970, 31.3445, 4.3637)

Have a look what the booklet for
XYZ(31.9970, 31.3445, 4.3637)
contains.

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Color

**XYZ(31.9656, 31.2840,
4.3536)**

Conversions

Conversions Part 1

Format	Color
Hex	C19000
RGB	193, 144, 0
RGB Percent	76%, 56%, 0%
CMY	0.2431, 0.4353, 1.0000
CMYK	0.00, 0.25, 1.00, 0.24
HSL	45°, 100%, 38%
HSV	45°, 100%, 76%
XYZ	31.9656, 31.2840, 4.3536
YIQ	142.2350, 75.4280, -34.3960

Conversions

Conversions Part 2

Format	Color
RYB	66, 193, 0
Decimal	12685312
CIELab	62.75, 8.29, 67.38
CIELCh	63, 67.888, 82.990
Yxy	31.2840, 0.4728, 0.4628
Android (android.graphics.Color)	4290875392 (0xFFC19000)
YUV	142.2350, -70.1219, 44.5209
Hunter-Lab	55.9321, 4.1329, 34.5375

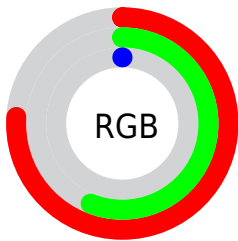
Details

The XYZ color **31.9656, 31.2840, 4.3536** 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 **10.7242, 6.0472, 51.0537**, and the grayscale version is **26.0539, 27.4107, 29.8503**.

A 20% lighter version of the original color is **62.0090, 61.4712, 14.7278**, and **13.8342, 13.0737, 1.7943** is the 20% darker color. If you saturate the color by 10%, you get **31.9659, 31.2848, 4.3538**, and if you desaturate by 10%, it is **32.8448, 32.8503, 5.2397**.

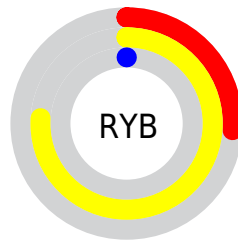
Distribution



Red (76%)

Green (56%)

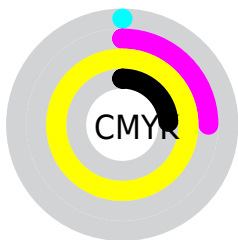
Blue (0%)



Red (26%)

Yellow (76%)

Blue (0%)

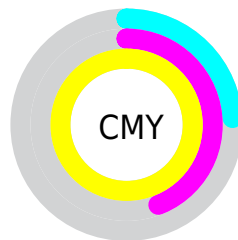


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9656, 31.2840, 4.3536 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 31.9656, 31.2840, 4.3536 by changing the saturation by 10% instead.


 31.9656, 31.2840,
4.3536

 31.9656, 31.2840,
4.3536


302.7106,
307.8446, 152.0781


 21.4906, 20.8152,
1.8213


 62.1227, 61.6869,
14.8174


 13.5976, 12.9890,
0.4419


 82.5356, 82.3898,
23.5859

 7.9212, 7.4210,
0.0000


 106.9918,
107.2729, 35.2703

 4.0959, 3.7267,
0.0000

 135.8567,
136.7206, 50.2890

 1.7565, 1.5219,
0.0000

 169.4957,
171.1172, 69.0606


 0.4913, 0.3041,
0.0000


 208.2741,


 0.0000, 0.0000,


210.8471, 92.0036


0.0000


 252.5573,
256.2948, 119.5366


 31.9656, 31.2840,
4.3536


 31.9656, 31.2840,
4.3536


 31.9659, 31.2848,
4.3538

 32.8448, 32.8503,
5.2397

 33.8753, 34.5281,
6.7649

 35.1009, 36.3367,
9.1546

 36.5438, 38.2856,
12.5239

 38.2228, 40.3829,
16.9699

■ 40.1545, 42.6360,
22.5782

■ 42.3538, 45.0512,
29.4256

■ 44.8344, 47.6348,
37.5824

■ 47.6089, 50.3922,
47.1134

Harmonies

Analogous

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



41.8192, 31.2840, 7.3842



31.9656, 31.2840, 4.3536



23.2964, 31.2840, 5.3546

Triad

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



31.9656, 31.2840, 4.3536



16.1487, 31.2840, 58.1704



46.3778, 31.2840, 75.0075

Complementary

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



31.9656, 31.2840, 4.3536



10.7242, 6.0472, 51.0537

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.



37.2612, 31.2840, 106.0750



31.9656, 31.2840, 4.3536



20.2359, 31.2840, 93.3243

Square

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



31.9656, 31.2840, 4.3536



15.3092, 31.2840, 28.1996



27.6097, 31.2840, 114.1094



51.1903, 31.2840, 40.6875

Rectangle

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



31.9656, 31.2840, 4.3536



19.1528, 31.2840, 8.6908



27.6097, 31.2840, 114.1094



43.6345, 31.2840, 86.7756

Sweetspot

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



31.9663, 31.2856, 4.3542



75.6583, 80.4756, 52.0671



22.6003, 11.5808, 4.2312



15.8614, 16.8639, 10.0023



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.



31.9663, 31.2856, 4.3542



57.0441, 55.6167, 7.7286



31.2769, 44.4326, 6.9282



10.6900, 11.3113, 10.6818



21.3279, 20.9415, 2.9180



0.9740, 1.0098, 0.1436

Inverse Universe

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



10.7242, 6.0472, 51.0537



19.0417, 10.5000, 91.3834



10.7097, 4.4093, 50.7383



9.7315, 10.1543, 12.7319



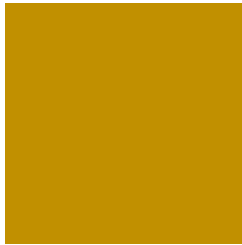
7.1877, 4.1319, 33.9753



0.3680, 0.2933, 1.4871

Previews

White Background



This preview shows how the XYZ color 31.9656, 31.2840, 4.3536 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 31.9656, 31.2840, 4.3536 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 31.9656, 31.2840, 4.3536

Background



This preview shows how black text looks on a background with the XYZ color 31.9656, 31.2840, 4.3536.



This preview shows how white text looks on a background with the XYZ color 31.9656, 31.2840,

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

31.9656, 31.2840, 4.3536

Protanopia

28.4649, 31.5773, 4.9114

Deuteranopia

31.7115, 31.1530, 4.3418



Tritanopia

37.3786, 31.3432, 30.4653

Trichromacy



Original Color

31.9656, 31.2840, 4.3536

Protanomaly

29.7671, 31.5313, 4.7183

Deuteranomaly

31.7115, 31.1530, 4.3418

Tritanomaly

34.0462, 30.8200, 14.2796

Monochromacy



Original Color

31.9656, 31.2840, 4.3536

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.3659, 27.9602, 13.6801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9656, 31.2840, 4.3536 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, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 144, 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, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 144, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.9656, 31.2840, 4.3536 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, 144, 0) }
```


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

```
.border{ border-color:rgb(193, 144, 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, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 144,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9656, 31.2840, 4.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 144, 0) }
```

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

```
.background{ background-color: rgb(193,  
144, 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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