

Converting Colors

XYZ(31.8713, 30.7157, 4.2489)

Have a look what the booklet for
XYZ(31.8713, 30.7157, 4.2489)
contains.

XYZ(31.9211, 30.8153, 4.2655)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(31.9211, 30.8153,
4.2655)**

Conversions

Conversions Part 1

Format	Color
Hex	C28E00
RGB	194, 142, 0
RGB Percent	76%, 56%, 0%
CMY	0.2392, 0.4431, 1.0000
CMYK	0.00, 0.27, 1.00, 0.24
HSL	44°, 100%, 38%
HSV	44°, 100%, 76%
XYZ	31.9211, 30.8153, 4.2655
YIQ	141.3600, 76.5740, -33.1380

Conversions

Conversions Part 2

Format	Color
R_YB	71, 194, 0
Decimal	12750336
CIE Lab	62.35, 9.83, 67.16
CIE LCh	62, 67.878, 81.675
Yxy	30.8153, 0.4764, 0.4599
Android (android.graphics.Color)	4290940416 (0xFFC28E00)
YUV	141.3600, -69.6905, 46.1653
Hunter-Lab	55.5115, 5.4987, 34.3022

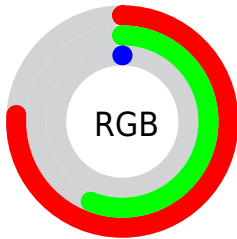
Details

The XYZ color **31.9211, 30.8153, 4.2655** 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 **10.9658, 6.3514, 51.6865**, and the grayscale version is **25.7045, 27.0432, 29.4500**.

A 20% lighter version of the original color is **61.9248, 60.7581, 14.5946**, and **13.8188, 12.8052, 1.7433** is the 20% darker color. If you saturate the color by 10%, you get **31.9213, 30.8160, 4.2656**, and if you desaturate by 10%, it is **32.8346, 32.4489, 5.1673**.

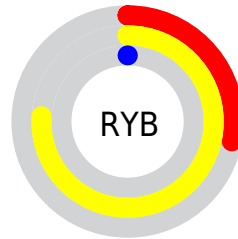
Distribution



Red (76%)

Green (56%)

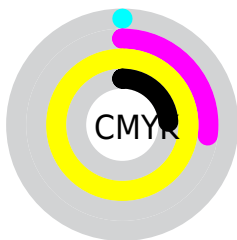
Blue (0%)



Red (28%)

Yellow (76%)

Blue (0%)

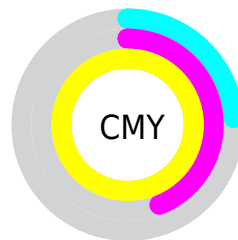


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9211, 30.8153, 4.2655 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 31.9211, 30.8153, 4.2655 by changing the saturation by 10% instead.

■ 31.9211, 30.8153,
4.2655

■ 31.9211, 30.8153,
4.2655

302.5114,
305.6865, 151.1322

■ 21.4565, 20.4582,
1.7721

■ 62.0534, 60.9492,
14.6176

■ 13.5725, 12.7286,
0.4095

■ 82.4518, 81.4948,
23.3134

■ 7.9036, 7.2419,
0.0000

■ 106.8922,
106.2053, 34.9137

■ 4.0846, 3.6138,
0.0000

■ 135.7399,
135.4653, 49.8371

■ 1.7501, 1.4600,
0.0000

■ 169.3604,
169.6589, 68.5021

■ 0.4873, 0.2603,
0.0000

■ 208.1188,

■ 0.0000, 0.0000,

209.1708, 91.3272

0.0000

■ 252.3807,
254.3852, 118.7311

■ 31.9211, 30.8153,
4.2655

■ 31.9211, 30.8153,
4.2655

■ 31.9213, 30.8160,
4.2656

■ 32.8346, 32.4489,
5.1673

■ 33.9050, 34.2025,
6.7178

■ 35.1765, 36.0958,
9.1443

■ 36.6716, 38.1386,
12.5633

■ 38.4094, 40.3391,
17.0736

■ 40.4068, 42.7049,
22.7615

■ 42.6791, 45.2428,
29.7051

■ 45.2400, 47.9590,
37.9754

■ 48.1026, 50.8593,
47.6383

Harmonies

Analogous

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



41.6622, 30.8153, 7.4598



31.9211, 30.8153, 4.2655



23.2385, 30.8153, 5.0821

Triad

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



31.9211, 30.8153, 4.2655



15.7519, 30.8153, 55.9145



45.4430, 30.8153, 75.7048

Complementary

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



31.9211, 30.8153, 4.2655



10.9658, 6.3514, 51.6865

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.



36.3079, 30.8153, 105.9173



31.9211, 30.8153, 4.2655



19.6458, 30.8153, 90.9275

Square

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



31.9211, 30.8153, 4.2655



15.0596, 30.8153, 26.7495



26.8058, 30.8153, 112.6021



50.4687, 30.8153, 41.4212

Rectangle

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



31.9211, 30.8153, 4.2655



19.0459, 30.8153, 8.1794



26.8058, 30.8153, 112.6021



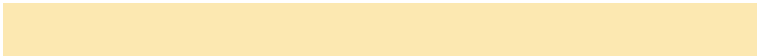
42.6706, 30.8153, 87.2827

Sweetspot

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



31.9218, 30.8168, 4.2661



77.1147, 81.7409, 53.1594



22.9370, 11.7450, 4.6693



16.4882, 17.4602, 10.4042



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.



31.9218, 30.8168, 4.2661



57.6125, 55.3885, 7.6545



32.2346, 45.2556, 7.0366



10.6777, 11.2868, 10.6777



21.0580, 20.4017, 2.8280



0.9641, 0.9901, 0.1403

Inverse Universe

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



10.9658, 6.3514, 51.6865



19.6889, 11.1504, 93.5843



10.6942, 4.3883, 51.3219



9.7430, 10.1774, 12.7358



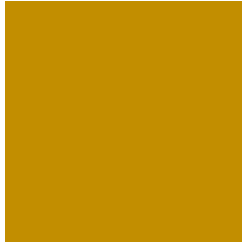
7.2682, 4.2929, 34.0021



0.3731, 0.3035, 1.4888

Previews

White Background



This preview shows how the XYZ color 31.9211, 30.8153, 4.2655 looks on a white background.

Color Contrast Check

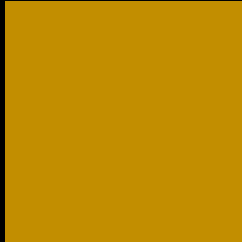
Large Text (above 18pt) WCAG AA × Fail

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 31.9211, 30.8153, 4.2655 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 31.9211, 30.8153, 4.2655

Background



This preview shows how black text looks on a background with the XYZ color 31.9211, 30.8153, 4.2655.



This preview shows how white text looks on a background with the XYZ color 31.9211, 30.8153,

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

31.9211, 30.8153, 4.2655

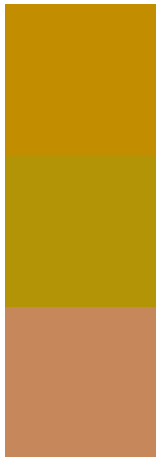
Protanopia

28.0832, 31.1386, 4.8468

Tritanopia

37.2211, 30.8730, 29.5885

Trichromacy



Original Color

31.9211, 30.8153, 4.2655

Protanomaly

29.2187, 30.7789, 4.6019

Tritanomaly

33.9383, 30.3523, 13.7427

Monochromacy



Original Color

31.9211, 30.8153, 4.2655

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.8675, 27.2615, 13.5715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9211, 30.8153, 4.2655 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, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 142, 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, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 142, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.9211, 30.8153, 4.2655 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, 142, 0) }
```

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

```
.border{ border-color:rgb(194, 142, 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, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 142,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 31.9211, 30.8153, 4.2655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 142, 0) }
```

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

```
.background{ background-color: rgb(194,  
142, 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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