

Converting Colors

XYZ(31.8659, 30.8393, 9.9688)

Have a look what the booklet for
XYZ(31.8659, 30.8393, 9.9688)
contains.

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Color

**XYZ(31.8829, 30.8934,
9.9128)**

Conversions

Conversions Part 1

Format	Color
Hex	BD8F45
RGB	189, 143, 69
RGB Percent	74%, 56%, 27%
CMY	0.2588, 0.4392, 0.7294
CMYK	0.00, 0.24, 0.63, 0.26
HSL	37°, 48%, 51%
HSV	37°, 63%, 74%
XYZ	31.8829, 30.8934, 9.9128
YIQ	148.3180, 51.1700, -13.2620

Conversions

Conversions Part 2

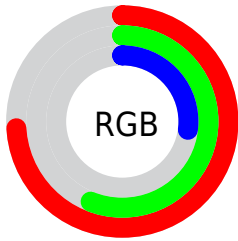
Format	Color
RYB	144, 189, 69
Decimal	12422981
CIELab	62.42, 9.40, 45.23
CIElCh	62, 46.198, 78.255
Yxy	30.8934, 0.4386, 0.4250
Android (android.graphics.Color)	4290613061 (0xFFBD8F45)
YUV	148.3180, -39.1038, 35.6781
Hunter-Lab	55.5818, 5.1231, 28.3331

Details

The XYZ color **31.8829, 30.8934, 9.9128** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.7700, 17.2000, 50.5272**, and the grayscale version is **28.4252, 29.9055, 32.5671**.

A 20% lighter version of the original color is **62.0678, 61.2450, 26.3194**, and **13.5393, 12.7779, 2.3251** is the 20% darker color. If you saturate the color by 10%, you get **30.3346, 28.5910, 6.9490**, and if you desaturate by 10%, it is **33.6897, 33.4141, 13.8851**.

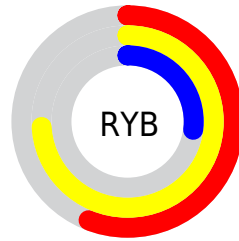
Distribution



Red (74%)

Green (56%)

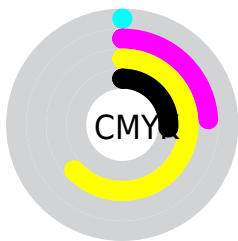
Blue (27%)



Red (56%)

Yellow (74%)

Blue (27%)

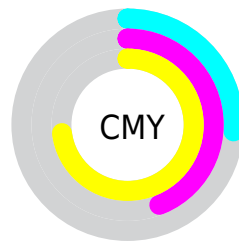


Cyan (0%)

Magenta (24%)

Yellow (63%)

Black (26%)



Cyan (26%)


Magenta (44%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8829, 30.8934, 9.9128 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 31.8829, 30.8934, 9.9128 by changing the saturation by 10% instead.


 31.8829, 30.8934,
9.9128


 31.8829, 30.8934,
9.9128

302.3403,
306.0469, 200.5107


 21.4272, 20.5177,
5.2363


 61.9939, 61.0722,
26.2366

 13.5509, 12.7719,
2.3254


 82.3799, 81.6441,
38.7210

 7.8886, 7.2717,
0.7454


 106.8067,
106.3835, 54.6452

 4.0749, 3.6326,
0.0000

 135.6397,
135.6748, 74.4276

 1.7446, 1.4702,
0.0000

 169.2442,
169.9024, 98.4868

 0.4839, 0.2676,
0.0000

207.9855,

 0.0000, 0.0000,

209.4507, 127.2414

0.0000

252.2291,
254.7040, 161.1098

■ 31.8829, 30.8934,
9.9128

■ 31.8829, 30.8934,
9.9128

■ 30.3346, 28.5910,
6.9490

■ 33.6897, 33.4141,
13.8851

■ 29.0229, 26.4922,
4.8942

■ 35.7702, 36.1574,
18.9491

■ 27.9249, 24.5871,
3.6316

■ 38.1407, 39.1332,
25.1812

■ 27.2960, 23.4384,
3.0854

■ 40.8154, 42.3491,
32.6503

■ 43.8076, 45.8121,
41.4202

■ 47.1295, 49.5292,
51.5500

■ 50.7927, 53.5068,
63.0953

■ 54.8083, 57.7510,
76.1085

■ 59.1866, 62.2677,
90.6394

Harmonies

Analogous

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



38.1312, 30.8934, 13.9123



31.8829, 30.8934, 9.9128



25.7510, 30.8934, 10.3684

Triad

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



31.8829, 30.8934, 9.9128



19.3492, 30.8934, 45.6359



39.2935, 30.8934, 62.2151

Complementary

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



31.8829, 30.8934, 9.9128



17.7700, 17.2000, 50.5272

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.



33.2984, 30.8934, 78.1587



31.8829, 30.8934, 9.9128



22.0543, 30.8934, 66.4807

Square

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



31.8829, 30.8934, 9.9128



19.0825, 30.8934, 27.0956



26.9800, 30.8934, 79.9500



42.7987, 30.8934, 41.1562

Rectangle

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



31.8829, 30.8934, 9.9128



22.5217, 30.8934, 13.1762



26.9800, 30.8934, 79.9500



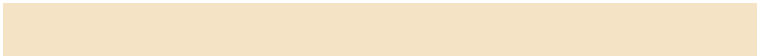
37.4664, 30.8934, 68.6295

Sweetspot

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



31.8836, 30.8949, 9.9134



75.2742, 78.3900, 64.7638



26.2090, 16.3131, 17.9873



15.8655, 16.4818, 12.9932



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.8836, 30.8949, 9.9134



53.4069, 49.7647, 10.8947



36.9509, 45.9386, 12.5501



10.0067, 10.4895, 10.0739



18.4414, 15.9215, 2.1012



0.7838, 0.7465, 0.1028

Inverse Universe

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



17.7700, 17.2000, 50.5272



26.2309, 23.4847, 89.3767



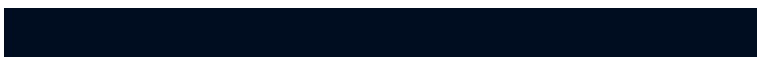
14.8809, 9.7697, 49.2453



9.3082, 9.8088, 12.0749



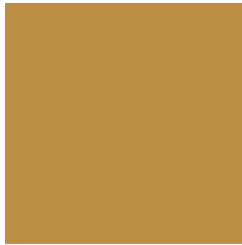
7.8276, 5.7669, 33.0935



0.3703, 0.3532, 1.3175

Previews

White Background



This preview shows how the XYZ color 31.8829, 30.8934, 9.9128 looks on a white background.

Color Contrast Check

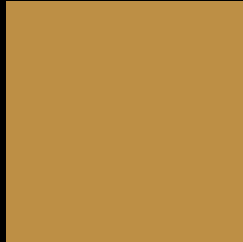
Large Text (above 18pt) WCAG AA × Fail

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 31.8829, 30.8934, 9.9128 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 31.8829, 30.8934, 9.9128

Background



This preview shows how black text looks on a background with the XYZ color 31.8829, 30.8934, 9.9128.



This preview shows how white text looks on a background with the XYZ color 31.8829, 30.8934,

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

31.8829, 30.8934, 9.9128

Protanopia

28.3848, 30.9259, 10.6042

Deuteranopia

31.5410, 30.9410, 9.9400



Tritanopia

36.2805, 30.9744, 30.8545

Trichromacy



Original Color

31.8829, 30.8934, 9.9128

Protanomaly

29.6317, 30.8648, 10.3570

Deuteranomaly

31.7865, 31.0676, 9.9515

Tritanomaly

34.2917, 30.7988, 20.9670

Monochromacy



Original Color

31.8829, 30.8934, 9.9128

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.7129, 29.6762, 21.6675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8829, 30.8934, 9.9128 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(189, 143, 69)` looks like.

```
.text, #text, p{  
    color:rgb(189, 143, 69)  
}
```

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(189, 143, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 143, 69) }
```

Border

The CSS property to change the border of an element to XYZ 31.8829, 30.8934, 9.9128 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(189, 143, 69) }
```


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

```
.border{ border-color:rgb(189, 143, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 143, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 143, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 143, 69);  
box-shadow:4px 4px 4px 4px rgb(189, 143,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8829, 30.8934, 9.9128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 143, 69) }
```

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

```
.background{ background-color: rgb(189,  
143, 69) }
```

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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