

Converting Colors

XYZ(31.2405, 29.4439, 13.0732)

Have a look what the booklet for
XYZ(31.2405, 29.4439, 13.0732)
contains.

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Color

**XYZ(31.3023, 29.4299,
13.0475)**

Conversions

Conversions Part 1

Format	Color
Hex	BB8A57
RGB	187, 138, 87
RGB Percent	73%, 54%, 34%
CMY	0.2667, 0.4588, 0.6588
CMYK	0.00, 0.26, 0.53, 0.27
HSL	31°, 42%, 54%
HSV	31°, 53%, 73%
XYZ	31.3023, 29.4299, 13.0475
YIQ	146.8370, 45.5750, -5.4730

Conversions

Conversions Part 2

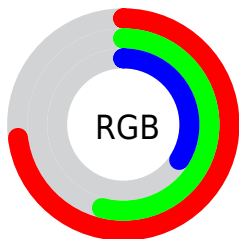
Format	Color
R_{YB}	183, 187, 87
Decimal	12290647
CIE _{Lab}	61.16, 12.71, 34.43
CIE _{LCh}	61, 36.701, 69.744
Yxy	29.4299, 0.4243, 0.3989
Android (android.graphics.Color)	4290480727 (0xFFBB8A57)
YUV	146.8370, -29.4996, 35.2230
Hunter-Lab	54.2493, 8.0596, 23.7147

Details

The XYZ color **31.3023, 29.4299, 13.0475** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **21.7038, 23.2213, 50.3518**, and the grayscale version is **27.7713, 29.2176, 31.8179**.

A 20% lighter version of the original color is **60.8744, 58.5091, 32.1297**, and **13.2328, 11.9579, 3.6182** is the 20% darker color. If you saturate the color by 10%, you get **29.3756, 26.6450, 9.1119**, and if you desaturate by 10%, it is **33.5392, 32.5187, 18.0634**.

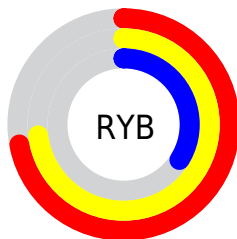
Distribution



Red (73%)

Green (54%)

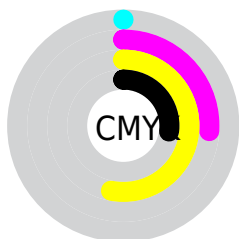
Blue (34%)



Red (72%)

Yellow (73%)

Blue (34%)

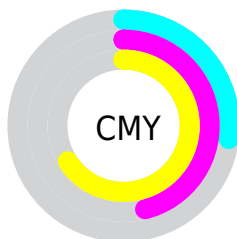


Cyan (0%)

Magenta (26%)

Yellow (53%)

Black (27%)



Cyan (27%)

Magenta (46%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3023, 29.4299, 13.0475 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 31.3023, 29.4299, 13.0475 by changing the saturation by 10% instead.

31.3023, 29.4299,
13.0475

31.3023, 29.4299,
13.0475

299.7307,
299.2380, 222.4404

20.9821, 19.4063,
7.3302

61.0883, 58.7594,
32.0815

13.2233, 11.9642,
3.5879

81.2848, 78.8341,
46.2353

7.6606, 6.7193,
1.4021

105.5042,
103.0279, 64.0383

3.9285, 3.2872,
0.1433

134.1117,
131.7253, 85.9090

1.6618, 1.2834,
0.0000

167.4728,
165.3106, 112.2661

0.4322, 0.1283,
0.0000

205.9527,

0.0000, 0.0000,

204.1682, 143.5279

0.0000

249.9169,
248.6825, 180.1132

■ 31.3023, 29.4299,
13.0475

■ 31.3023, 29.4299,
13.0475

■ 29.3756, 26.6450,
9.1119

■ 33.5392, 32.5187,
18.0634

■ 27.7388, 24.1479,
6.1717

■ 36.1008, 35.9178,
24.2322

■ 26.3715, 21.9273,
4.1320

■ 39.0030, 39.6389,
31.6222

■ 25.2494, 19.9686,
2.8779

■ 42.2600, 43.6916,
40.2958

■ 24.6198, 18.8175,
2.3345

■ 45.8850, 48.0850,
50.3111

■ 49.8907, 52.8277,
61.7226

■ 54.2888, 57.9283,
74.5818

■ 59.0906, 63.3946,
88.9375

■ 64.2586, 69.2151,
104.5808

Harmonies

Analogous

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



35.7138, 29.4299, 17.9028



31.3023, 29.4299, 13.0475



26.4340, 29.4299, 12.3688

Triad

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



31.3023, 29.4299, 13.0475



19.8022, 29.4299, 36.7456



34.3205, 29.4299, 57.0676

Complementary

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



31.3023, 29.4299, 13.0475



21.7038, 23.2213, 50.3518

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.



29.5690, 29.4299, 65.9333



31.3023, 29.4299, 13.0475



21.4390, 29.4299, 52.1672

Square

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



31.3023, 29.4299, 13.0475



20.1530, 29.4299, 23.7114



24.8871, 29.4299, 63.9198



37.5903, 29.4299, 42.1308

Rectangle

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



31.3023, 29.4299, 13.0475



23.6249, 29.4299, 14.0927



24.8871, 29.4299, 63.9198



32.8226, 29.4299, 61.0267

Sweetspot

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



31.3030, 29.4313, 13.0481



73.9989, 76.1708, 67.6088



28.4171, 19.1875, 25.8729



16.0269, 16.4406, 14.1691



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.



31.3030, 29.4313, 13.0481



52.1213, 46.9902, 15.3848



39.9840, 46.7934, 15.9418



9.9216, 10.3192, 10.0455



17.0359, 13.1105, 1.6327



0.7326, 0.6442, 0.0857

Inverse Universe

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



21.7038, 23.2213, 50.3518



33.1425, 34.7178, 89.1558



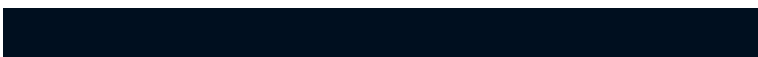
16.3085, 12.4307, 48.5533



9.3920, 9.9763, 12.1028



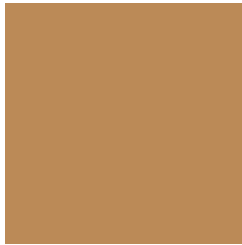
8.8665, 7.8447, 33.4398



0.4128, 0.4383, 1.3317

Previews

White Background



This preview shows how the XYZ color 31.3023, 29.4299, 13.0475 looks on a white background.

Color Contrast Check

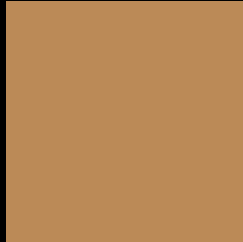
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3023, 29.4299, 13.0475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

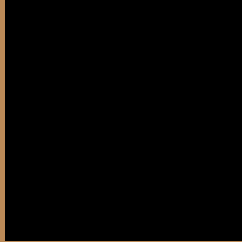
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3023, 29.4299, 13.0475

Background



This preview shows how black text looks on a background with the XYZ color 31.3023, 29.4299, 13.0475.



This preview shows how white text looks on a background with the XYZ color 31.3023, 29.4299,

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

31.3023, 29.4299, 13.0475

Protanopia

27.3785, 29.6165, 14.1711

Deuteranopia

30.0270, 29.4249, 12.9011



Tritanopia

34.6622, 29.3622, 29.0399

Trichromacy



Original Color

31.3023, 29.4299, 13.0475

Protanomaly

28.6133, 29.3426, 13.8285

Deuteranomaly

30.5862, 29.4953, 12.8852

Tritanomaly

33.2115, 29.3778, 22.0092

Monochromacy



Original Color

31.3023, 29.4299, 13.0475

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.5752, 29.1086, 23.5145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3023, 29.4299, 13.0475 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(187, 138, 87)` looks like.

```
.text, #text, p{  
    color:rgb(187, 138, 87)  
}
```

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(187, 138, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 138, 87) }
```

Border

The CSS property to change the border of an element to XYZ 31.3023, 29.4299, 13.0475 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(187, 138, 87) }
```


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

```
.border{ border-color:rgb(187, 138, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 138, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 138, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 138, 87);  
box-shadow:4px 4px 4px 4px rgb(187, 138,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3023, 29.4299, 13.0475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 138, 87) }
```

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

```
.background{ background-color: rgb(187,  
138, 87) }
```

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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