

Converting Colors

XYZ(31.6710, 30.5093, 16.0747)

Have a look what the booklet for
XYZ(31.6710, 30.5093, 16.0747)
contains.

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Color

**XYZ(31.6923, 30.4372,
16.0090)**

Conversions

Conversions Part 1

Format	Color
Hex	B88E63
RGB	184, 142, 99
RGB Percent	72%, 56%, 39%
CMY	0.2784, 0.4431, 0.6118
CMYK	0.00, 0.23, 0.46, 0.28
HSL	30°, 37%, 55%
HSV	30°, 46%, 72%
XYZ	31.6923, 30.4372, 16.0090
YIQ	149.6560, 38.8350, -4.4690

Conversions

Conversions Part 2

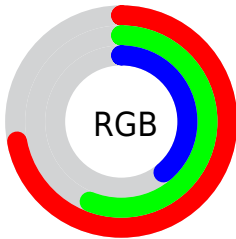
Format	Color
RYB	182, 184, 99
Decimal	12095075
CIELab	62.03, 10.38, 28.97
CIElCh	62, 30.778, 70.286
Yxy	30.4372, 0.4056, 0.3895
Android (android.graphics.Color)	4290285155 (0xFFB88E63)
YUV	149.6560, -24.9734, 30.1197
Hunter-Lab	55.1699, 5.9918, 21.4144

Details

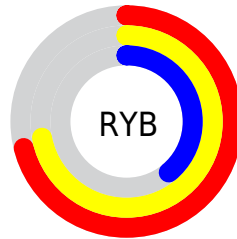
The XYZ color **31.6923, 30.4372, 16.0090** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **23.3218, 25.1621, 48.9749**, and the grayscale version is **28.9352, 30.4421, 33.1514**.

A 20% lighter version of the original color is **61.8629, 60.5591, 37.2827**, and **13.4779, 12.5604, 4.8460** is the 20% darker color. If you saturate the color by 10%, you get **29.6132, 27.5300, 11.4595**, and if you desaturate by 10%, it is **34.0837, 33.6482, 21.6520**.

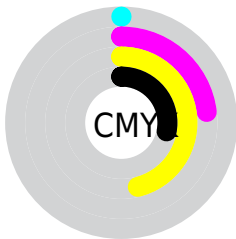
Distribution



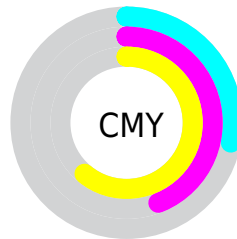
- Red (72%)
- Green (56%)
- Blue (39%)



- Red (71%)
- Yellow (72%)
- Blue (39%)



- Cyan (0%)
- Magenta (23%)
- Yellow (46%)
- Black (28%)





- Cyan (28%)
- Magenta (44%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6923, 30.4372, 16.0090 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 31.6923, 30.4372, 16.0090 by changing the saturation by 10% instead.


 31.6923, 30.4372,
16.0090


 31.6923, 30.4372,
16.0090


301.4854,
303.9371, 241.2423


 21.2810, 20.1707,
9.3761


 61.6969, 60.3529,
37.3808

 13.4432, 12.5192,
4.8872


 82.0208, 80.7709,
52.9569

 7.8135, 7.0983,
2.1236


 106.3797,
105.3414, 72.3510

 4.0267, 3.5236,
0.6298

 135.1389,
134.4490, 95.9818

 1.7172, 1.4108,
0.0000

168.6637,
168.4779, 124.2678

 0.4670, 0.2247,
0.0000

207.3195,

 0.0000, 0.0000,

207.8127, 157.6275

0.0000

251.4716,
252.8376, 196.4795

■ 31.6923, 30.4372,
16.0090

■ 31.6923, 30.4372,
16.0090

■ 29.6132, 27.5300,
11.4595

■ 34.0837, 33.6482,
21.6520

■ 27.8277, 24.9114,
7.9282

■ 36.8001, 37.1686,
28.4533

■ 26.3183, 22.5712,
5.3329

■ 39.8563, 41.0094,
36.4749

■ 25.0641, 20.4966,
3.5778

■ 43.2652, 45.1796,
45.7735

■ 24.0388, 18.6722,
2.5382

■ 47.0391, 49.6877,
56.4025

■ 23.6895, 18.0351,
2.2325

■ 51.1897, 54.5421,
68.4122

■ 55.7281, 59.7506,
81.8502

■ 60.6648, 65.3208,
96.7617

■ 64.4251, 70.6263,
104.8444

Harmonies

Analogous

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



35.4209, 30.4372, 20.5020



31.6923, 30.4372, 16.0090



27.5346, 30.4372, 15.4206

Triad

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



31.6923, 30.4372, 16.0090



21.7977, 30.4372, 37.3705



34.3749, 30.4372, 53.6961

Complementary

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



31.6923, 30.4372, 16.0090



23.3218, 25.1621, 48.9749

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.



30.3711, 30.4372, 60.9367



31.6923, 30.4372, 16.0090



23.2843, 30.4372, 50.1311

Square

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



31.6923, 30.4372, 16.0090



22.0786, 30.4372, 26.0451



26.3324, 30.4372, 59.4959



37.0688, 30.4372, 41.4210

Rectangle

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



31.6923, 30.4372, 16.0090



25.1063, 30.4372, 17.1243



26.3324, 30.4372, 59.4959



33.1226, 30.4372, 56.9180

Sweetspot

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



31.6931, 30.4387, 16.0096



73.4110, 75.7755, 69.2400



29.0742, 21.0523, 27.9262



15.5525, 15.9975, 14.1920



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.6931, 30.4387, 16.0096



53.7783, 50.0433, 20.9746



39.1598, 45.3721, 18.4985



9.3700, 9.7430, 9.4936



16.3976, 12.5716, 1.5623



0.6399, 0.5668, 0.0757

Inverse Universe

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



23.3218, 25.1621, 48.9749



36.7952, 39.3405, 87.8588



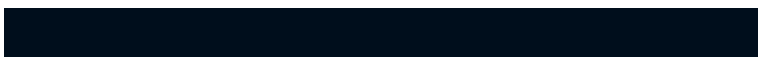
18.2595, 15.0374, 47.2874



8.8777, 9.4326, 11.4322



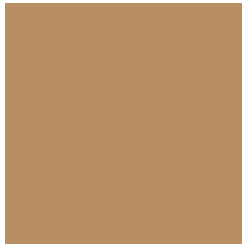
8.6063, 7.6722, 32.2804



0.3653, 0.3944, 1.1586

Previews

White Background



This preview shows how the XYZ color 31.6923, 30.4372, 16.0090 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 31.6923, 30.4372, 16.0090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

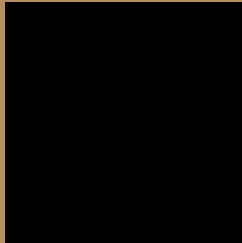
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6923, 30.4372, 16.0090

Background



This preview shows how black text looks on a background with the XYZ color 31.6923, 30.4372, 16.0090.



This preview shows how white text looks on a background with the XYZ color 31.6923, 30.4372,

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

31.6923, 30.4372, 16.0090

Protanopia

28.4089, 30.5585, 16.9715

Deuteranopia

31.0478, 30.5507, 16.0649



Tritanopia

34.7315, 30.3750, 31.2265

Trichromacy



Original Color

31.6923, 30.4372, 16.0090

Protanomaly

29.5773, 30.4649, 16.6334

Deuteranomaly

31.1306, 30.3695, 16.0255

Tritanomaly

33.5444, 30.3267, 24.8545

Monochromacy



Original Color

31.6923, 30.4372, 16.0090

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.4307, 30.1875, 25.7483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6923, 30.4372, 16.0090 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(184, 142, 99)` looks like.

```
.text, #text, p{  
    color:rgb(184, 142, 99)  
}
```

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(184, 142, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 142, 99) }
```

Border

The CSS property to change the border of an element to XYZ 31.6923, 30.4372, 16.0090 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(184, 142, 99) }
```


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

```
.border{ border-color:rgb(184, 142, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 142, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 142, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 142, 99);  
box-shadow:4px 4px 4px 4px rgb(184, 142,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6923, 30.4372, 16.0090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 142, 99) }
```

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

```
.background{ background-color: rgb(184,  
142, 99) }
```

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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