

Converting Colors

XYZ(31.8221, 30.5081, 15.7149)

Have a look what the booklet for
XYZ(31.8221, 30.5081, 15.7149)
contains.

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Color

**XYZ(31.8852, 30.5421,
15.7700)**

Conversions

Conversions Part 1

Format	Color
Hex	B98E62
RGB	185, 142, 98
RGB Percent	73%, 56%, 38%
CMY	0.2745, 0.4431, 0.6157
CMYK	0.00, 0.23, 0.47, 0.27
HSL	30°, 38%, 55%
HSV	30°, 47%, 73%
XYZ	31.8852, 30.5421, 15.7700
YIQ	149.8410, 39.7520, -4.5680

Conversions

Conversions Part 2

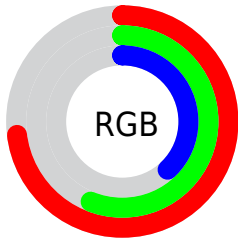
Format	Color
RYB	183, 185, 98
Decimal	12160610
CIELab	62.12, 10.70, 29.66
CIELCh	62, 31.527, 70.163
Yxy	30.5421, 0.4078, 0.3906
Android (android.graphics.Color)	4290350690 (0xFFB98E62)
YUV	149.8410, -25.5576, 30.8344
Hunter-Lab	55.2649, 6.2723, 21.7669

Details

The XYZ color **31.8852, 30.5421, 15.7700** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **23.3185, 25.1484, 49.5240**, and the grayscale version is **29.0158, 30.5268, 33.2437**.

A 20% lighter version of the original color is **62.1269, 60.7045, 36.8765**, and **13.6088, 12.6304, 4.7383** is the 20% darker color. If you saturate the color by 10%, you get **29.8058, 27.6234, 11.2541**, and if you desaturate by 10%, it is **34.2796, 33.7677, 21.3875**.

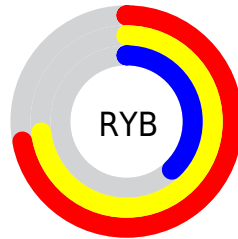
Distribution



Red (73%)

Green (56%)

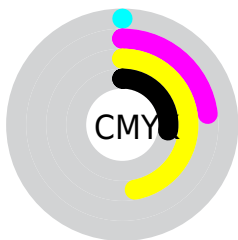
Blue (38%)



Red (72%)

Yellow (73%)

Blue (38%)

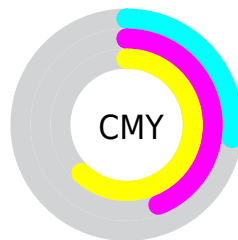


Cyan (0%)

Magenta (23%)

Yellow (47%)

Black (27%)



Cyan (27%)


Magenta (44%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8852, 30.5421, 15.7700 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 31.8852, 30.5421, 15.7700 by changing the saturation by 10% instead.


 31.8852, 30.5421,
15.7700


 31.8852, 30.5421,
15.7700


302.3506,
304.4232, 239.7799


 21.4290, 20.2504,
9.2090


 61.9975, 60.5184,
36.9597

 13.5522, 12.5772,
4.7791


 82.3842, 80.9719,
52.4254

 7.8895, 7.1381,
2.0618


 106.8119,
105.5813, 71.6964

 4.0755, 3.5486,
0.5929

 135.6457,
134.7313, 95.1912

 1.7449, 1.4244,
0.0000

169.2512,
168.8060, 123.3285

 0.4842, 0.2346,
0.0000

207.9935,

 0.0000, 0.0000,

208.1900, 156.5266

0.0000

252.2382,
253.2676, 195.2043

■ 31.8852, 30.5421,
15.7700

■ 31.8852, 30.5421,
15.7700

■ 29.8058, 27.6234,
11.2541

■ 34.2796, 33.7677,
21.3875

■ 28.0224, 24.9962,
7.7629

■ 37.0021, 37.3060,
28.1728

■ 26.5170, 22.6501,
5.2122

■ 40.0676, 41.1682,
36.1891

■ 25.2683, 20.5719,
3.5032

■ 43.4894, 45.3634,
45.4944

■ 24.2471, 18.7452,
2.4982

■ 47.2800, 49.9004,
56.1430

■ 23.9723, 18.2437,
2.2579

■ 51.4512, 54.7875,
68.1859

■ 56.0144, 60.0329,
81.6718

■ 60.9803, 65.6442,
96.6466

■ 64.7913, 71.0017,
104.8976

Harmonies

Analogous

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



35.7173, 30.5421, 20.3529



31.8852, 30.5421, 15.7700



27.6142, 30.5421, 15.1583

Triad

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



31.8852, 30.5421, 15.7700



21.7202, 30.5421, 37.5484



34.6124, 30.5421, 54.4842

Complementary

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



31.8852, 30.5421, 15.7700



23.3185, 25.1484, 49.5240

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.



30.4921, 30.5421, 61.9442



31.8852, 30.5421, 15.7700



23.2332, 30.5421, 50.7052

Square

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



31.8852, 30.5421, 15.7700



22.0148, 30.5421, 25.9434



26.3493, 30.5421, 60.4140



37.3950, 30.5421, 41.8258

Rectangle

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



31.8852, 30.5421, 15.7700



25.1219, 30.5421, 16.8751



26.3493, 30.5421, 60.4140



33.3223, 30.5421, 57.8076

Sweetspot

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



31.8860, 30.5436, 15.7706



73.4098, 75.7730, 69.2395



29.2205, 20.9880, 27.9061



15.5522, 15.9969, 14.1919



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.



31.8860, 30.5436, 15.7706



53.4203, 49.5284, 20.2354



39.5612, 45.8940, 18.3290



9.3699, 9.7428, 9.4936



16.3960, 12.5685, 1.5618



0.6398, 0.5667, 0.0757

Inverse Universe

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



23.3185, 25.1484, 49.5240



36.2802, 38.7365, 87.7693



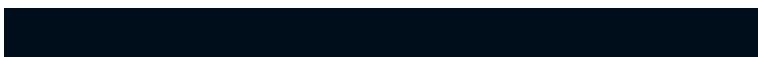
18.1620, 14.8352, 47.8051



8.8778, 9.4328, 11.4322



8.6078, 7.6752, 32.2809



0.3654, 0.3945, 1.1586

Previews

White Background



This preview shows how the XYZ color 31.8852, 30.5421, 15.7700 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 31.8852, 30.5421, 15.7700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

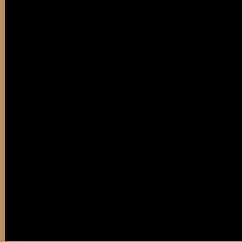
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8852, 30.5421, 15.7700

Background



This preview shows how black text looks on a background with the XYZ color 31.8852, 30.5421, 15.7700.



This preview shows how white text looks on a background with the XYZ color 31.8852, 30.5421,

15.7700.

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

31.8852, 30.5421, 15.7700

Protanopia

28.3596, 30.5388, 16.7118

Deuteranopia

31.2339, 30.6521, 15.8255



Tritanopia

34.9787, 30.5025, 31.2381

Trichromacy



Original Color

31.8852, 30.5421, 15.7700

Protanomaly

29.5286, 30.4455, 16.3768

Deuteranomaly

31.3185, 30.4718, 15.7863

Tritanomaly

33.7900, 30.4533, 24.8660

Monochromacy



Original Color

31.8852, 30.5421, 15.7700

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.6347, 30.2927, 25.7579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8852, 30.5421, 15.7700 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(185, 142, 98)` looks like.

```
.text, #text, p{  
    color:rgb(185, 142, 98)  
}
```

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(185, 142, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 142, 98) }
```

Border

The CSS property to change the border of an element to XYZ 31.8852, 30.5421, 15.7700 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(185, 142, 98) }
```


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

```
.border{ border-color:rgb(185, 142, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 142, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 142, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 142, 98);  
box-shadow:4px 4px 4px 4px rgb(185, 142,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8852, 30.5421, 15.7700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 142, 98) }
```

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

```
.background{ background-color: rgb(185,  
142, 98) }
```

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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