

Converting Colors

XYZ(31.7682, 30.5233, 13.8901)

Have a look what the booklet for
XYZ(31.7682, 30.5233, 13.8901)
contains.

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Color

**XYZ(31.7682, 30.5233,
13.8901)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8E5A
RGB	186, 142, 90
RGB Percent	73%, 56%, 35%
CMY	0.2706, 0.4431, 0.6471
CMYK	0.00, 0.24, 0.52, 0.27
HSL	33°, 41%, 54%
HSV	33°, 52%, 73%
XYZ	31.7682, 30.5233, 13.8901
YIQ	149.2280, 42.9160, -6.8440

Conversions

Conversions Part 2

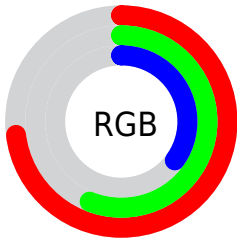
Format	Color
RYB	171, 186, 90
Decimal	12226138
CIELab	62.10, 10.34, 33.98
CIElCh	62, 35.519, 73.072
Yxy	30.5233, 0.4170, 0.4007
Android (android.graphics.Color)	4290416218 (0xFFBA8E5A)
YUV	149.2280, -29.1994, 32.2490
Hunter-Lab	55.2479, 5.9558, 23.7672

Details

The XYZ color **31.7682, 30.5233, 13.8901** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **21.6042, 22.7682, 49.7103**, and the grayscale version is **28.7703, 30.2686, 32.9625**.

A 20% lighter version of the original color is **61.8559, 60.6360, 33.6431**, and **13.4510, 12.5673, 3.9073** is the 20% darker color. If you saturate the color by 10%, you get **29.8534, 27.8062, 9.8227**, and if you desaturate by 10%, it is **33.9796, 33.5166, 19.0343**.

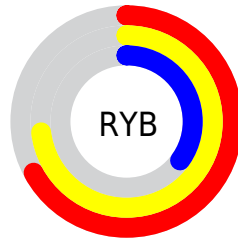
Distribution



Red (73%)

Green (56%)

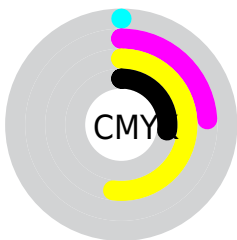
Blue (35%)



Red (67%)

Yellow (73%)

Blue (35%)

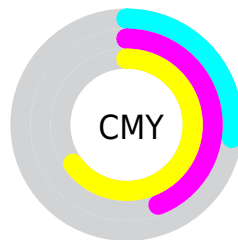


Cyan (0%)

Magenta (24%)

Yellow (52%)

Black (27%)



Cyan (27%)

Magenta (44%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7682, 30.5233, 13.8901 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 31.7682, 30.5233, 13.8901 by changing the saturation by 10% instead.

■ 31.7682, 30.5233,
13.8901

■ 31.7682, 30.5233,
13.8901

301.8261,
304.3361, 227.9507

■ 21.3392, 20.2361,
7.9064

■ 61.8152, 60.4888,
33.6082

■ 13.4860, 12.5668,
3.9482

■ 82.1639, 80.9359,
48.1797

■ 7.8434, 7.1309,
1.5970

■ 106.5498,
105.5384, 66.4509

■ 4.0459, 3.5441,
0.2887

■ 135.3384,
134.6807, 88.8402

■ 1.7281, 1.4220,
0.0000

168.8949,
168.7472, 115.7664

■ 0.4738, 0.2328,
0.0000

207.5848,

■ 0.0000, 0.0000,

208.1224, 147.6478

0.0000

251.7734,
253.1906, 184.9030

■ 31.7682, 30.5233,
13.8901

■ 31.7682, 30.5233,
13.8901

■ 29.8534, 27.8062,
9.8227

■ 33.9796, 33.5166,
19.0343

■ 28.2158, 25.3506,
6.7503

■ 36.5009, 36.7913,
25.3253

■ 26.8367, 23.1465,
4.5819

■ 39.3473, 40.3577,
32.8293

■ 25.6931, 21.1811,
3.2089

■ 42.5321, 44.2245,
41.6069

■ 24.8799, 19.6995,
2.4911

■ 46.0679, 48.3996,
51.7147

■ 49.9664, 52.8908,
63.2056

■ 54.2388, 57.7054,
76.1298

■ 58.8959, 62.8505,
90.5350

■ 63.5588, 68.1774,
104.4174

Harmonies

Analogous

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



36.2497, 30.5233, 18.3157



31.7682, 30.5233, 13.8901



26.9837, 30.5233, 13.6357

Triad

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



31.7682, 30.5233, 13.8901



20.9545, 30.5233, 39.5447



35.7452, 30.5233, 56.3852

Complementary

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



31.7682, 30.5233, 13.8901



21.6042, 22.7682, 49.7103

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.



31.1384, 30.5233, 65.9975



31.7682, 30.5233, 13.8901



22.8072, 30.5233, 54.6239

Square

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



31.7682, 30.5233, 13.8901



21.0835, 30.5233, 26.1503



26.4190, 30.5233, 65.2766



38.7129, 30.5233, 41.4952

Rectangle

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



31.7682, 30.5233, 13.8901



24.2835, 30.5233, 15.7090



26.4190, 30.5233, 65.2766



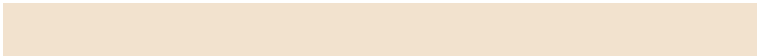
34.3165, 30.5233, 60.5027

Sweetspot

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



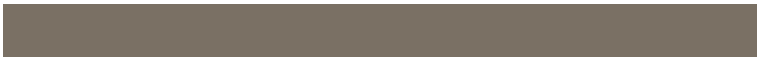
31.7689, 30.5248, 13.8907



74.9206, 77.5472, 69.3562



28.2651, 19.4954, 25.1215



16.2286, 16.7494, 14.5278



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.



31.7689, 30.5248, 13.8907



53.6617, 49.7426, 16.9108



38.8853, 45.8987, 16.4831



9.3968, 9.7965, 9.5026



16.8142, 13.4047, 1.7012



0.6538, 0.5948, 0.0803

Inverse Universe

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



21.6042, 22.7682, 49.7103



33.2090, 34.1545, 89.0436



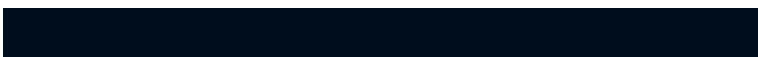
17.0539, 13.1955, 48.1024



8.8511, 9.3794, 11.4233



8.2342, 6.9281, 32.1563



0.3523, 0.3682, 1.1543

Previews

White Background



This preview shows how the XYZ color 31.7682, 30.5233, 13.8901 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 31.7682, 30.5233, 13.8901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

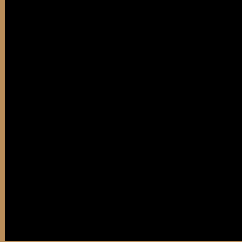
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7682, 30.5233, 13.8901

Background



This preview shows how black text looks on a background with the XYZ color 31.7682, 30.5233, 13.8901.



This preview shows how white text looks on a background with the XYZ color 31.7682, 30.5233,

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

31.7682, 30.5233, 13.8901

Protanopia

28.1920, 30.4955, 14.7563

Deuteranopia

31.1101, 30.6298, 13.9453



Tritanopia

35.3381, 30.4796, 31.2148

Trichromacy



Original Color

31.7682, 30.5233, 13.8901

Protanomaly

29.3787, 30.4108, 14.4467

Deuteranomaly

31.1964, 30.4504, 13.9061

Tritanomaly

33.8406, 30.5021, 23.8426

Monochromacy



Original Color

31.7682, 30.5233, 13.8901

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.0755, 29.7977, 24.6412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7682, 30.5233, 13.8901 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(186, 142, 90)` looks like.

```
.text, #text, p{  
    color:rgb(186, 142, 90)  
}
```

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(186, 142, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 142, 90) }
```

Border

The CSS property to change the border of an element to XYZ 31.7682, 30.5233, 13.8901 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(186, 142, 90) }
```


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

```
.border{ border-color:rgb(186, 142, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 142, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 142, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 142, 90);  
box-shadow:4px 4px 4px 4px rgb(186, 142,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7682, 30.5233, 13.8901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 142, 90) }
```

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

```
.background{ background-color: rgb(186,  
142, 90) }
```

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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