

Converting Colors

XYZ(31.5146, 30.2202, 10.5567)

Have a look what the booklet for
XYZ(31.5146, 30.2202, 10.5567)
contains.

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Color

**XYZ(31.4665, 30.2222,
10.4783)**

Conversions

Conversions Part 1

Format	Color
Hex	BC8D49
RGB	188, 141, 73
RGB Percent	74%, 55%, 29%
CMY	0.2627, 0.4470, 0.7137
CMYK	0.00, 0.25, 0.61, 0.26
HSL	35°, 46%, 51%
HSV	35°, 61%, 74%
XYZ	31.4665, 30.2222, 10.4783
YIQ	147.3010, 49.8400, -11.1840

Conversions

Conversions Part 2

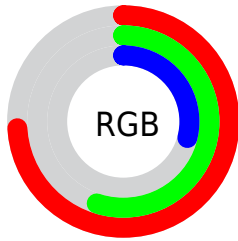
Format	Color
RYB	152, 188, 73
Decimal	12356937
CIELab	61.85, 10.35, 42.56
CIELCh	62, 43.805, 76.332
Yxy	30.2222, 0.4360, 0.4188
Android (android.graphics.Color)	4290547017 (0xFFBC8D49)
YUV	147.3010, -36.6304, 35.6930
Hunter-Lab	54.9747, 5.9643, 27.1815

Details

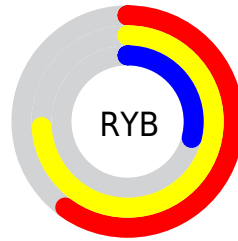
The XYZ color **31.4665, 30.2222, 10.4783** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.5408, 18.4793, 50.1663**, and the grayscale version is **27.9911, 29.4488, 32.0697**.

A 20% lighter version of the original color is **61.5110, 60.2596, 27.4581**, and **13.2660, 12.3734, 2.5533** is the 20% darker color. If you saturate the color by 10%, you get **29.8413, 27.8231, 7.3125**, and if you desaturate by 10%, it is **33.3601, 32.8568, 14.6636**.

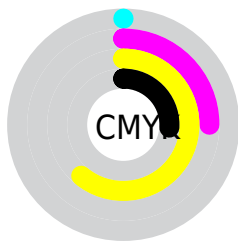
Distribution



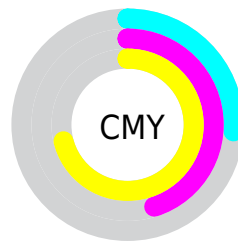
- Red (74%)
- Green (55%)
- Blue (29%)



- Red (60%)
- Yellow (74%)
- Blue (29%)



- Cyan (0%)
- Magenta (25%)
- Yellow (61%)
- Black (26%)



- Cyan (26%)
- Magenta (45%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4665, 30.2222, 10.4783 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 31.4665, 30.2222, 10.4783 by changing the saturation by 10% instead.

■ 31.4665, 30.2222,
10.4783

■ 31.4665, 30.2222,
10.4783

300.4704,
302.9388, 204.6598

■ 21.1079, 20.0073,
5.6075

■ 61.3446, 60.0134,
27.3131

■ 13.3158, 12.4004,
2.5430

■ 81.5949, 80.3585,
40.1141

■ 7.7249, 7.0170,
0.8628

■ 105.8731,
104.8491, 56.3957

■ 3.9697, 3.4727,
0.0000

■ 134.5446,
133.8696, 76.5763

■ 1.6850, 1.3832,
0.0000

■ 167.9747,
167.8045, 101.0744

■ 0.4469, 0.2043,
0.0000

206.5288,

■ 0.0000, 0.0000,

207.0380, 130.3087

0.0000

250.5722,
251.9547, 164.6977

■ 31.4665, 30.2222,
10.4783

■ 31.4665, 30.2222,
10.4783

■ 29.8413, 27.8231,
7.3125

■ 33.3601, 32.8568,
14.6636

■ 28.4632, 25.6449,
5.0714

■ 35.5370, 35.7317,
19.9481

■ 27.3104, 23.6774,
3.6449

■ 38.0131, 38.8570,
26.4057

■ 26.4422, 22.0980,
2.8717

■ 40.8025, 42.2404,
34.1034

■ 43.9182, 45.8896,
43.1028

■ 47.3725, 49.8116,
53.4616

■ 51.1770, 54.0133,
65.2339

■ 55.3425, 58.5010,
78.4710

■ 59.8796, 63.2811,
93.2214

Harmonies

Analogous

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



37.2146, 30.2222, 14.6696



31.4665, 30.2222, 10.4783



25.6763, 30.2222, 10.6602

Triad

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



31.4665, 30.2222, 10.4783



19.2251, 30.2222, 42.8244



37.6560, 30.2222, 60.5442

Complementary

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



31.4665, 30.2222, 10.4783



18.5408, 18.4793, 50.1663

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.



32.0065, 30.2222, 74.5222



31.4665, 30.2222, 10.4783



21.6364, 30.2222, 62.1489

Square

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



31.4665, 30.2222, 10.4783



19.1216, 30.2222, 25.8655



26.1481, 30.2222, 75.1929



41.1024, 30.2222, 41.1224

Rectangle

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



31.4665, 30.2222, 10.4783



22.5621, 30.2222, 13.1770



26.1481, 30.2222, 75.1929



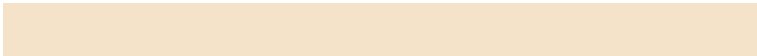
35.9196, 30.2222, 66.2860

Sweetspot

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



31.4672, 30.2237, 10.4789



75.5106, 78.4062, 66.2497



26.5677, 16.8351, 19.9118



15.8976, 16.4571, 13.2780



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.



31.4672, 30.2237, 10.4789



53.2818, 49.1894, 11.8554



37.6415, 45.9615, 13.1912



9.9864, 10.4488, 10.0671



18.0779, 15.1946, 1.9800



0.7710, 0.7208, 0.0985

Inverse Universe

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



18.5408, 18.4793, 50.1663



27.9547, 26.2431, 89.8183



14.9905, 10.2163, 48.7585



9.3280, 9.8484, 12.0815



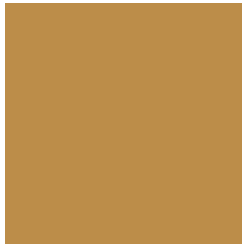
8.0480, 6.2078, 33.1669



0.3798, 0.3722, 1.3207

Previews

White Background



This preview shows how the XYZ color 31.4665, 30.2222, 10.4783 looks on a white background.

Color Contrast Check

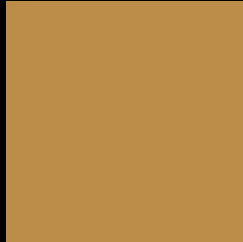
Large Text (above 18pt) WCAG AA × Fail

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 31.4665, 30.2222, 10.4783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

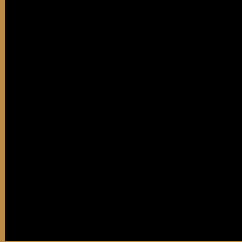
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4665, 30.2222, 10.4783

Background



This preview shows how black text looks on a background with the XYZ color 31.4665, 30.2222, 10.4783.



This preview shows how white text looks on a background with the XYZ color 31.4665, 30.2222,

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

31.4665, 30.2222, 10.4783

Protanopia

27.7279, 30.3338, 11.2311

Deuteranopia

31.0326, 30.4402, 10.5433



Tritanopia

35.3378, 30.0957, 29.9331

Trichromacy



Original Color

31.4665, 30.2222, 10.4783

Protanomaly

28.9373, 30.2597, 10.9722

Deuteranomaly

31.1253, 30.2661, 10.5048

Tritanomaly

33.5600, 29.9927, 21.1599

Monochromacy



Original Color

31.4665, 30.2222, 10.4783

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.4159, 29.2882, 21.9248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4665, 30.2222, 10.4783 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(188, 141, 73)` looks like.

```
.text, #text, p{  
    color:rgb(188, 141, 73)  
}
```

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(188, 141, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 141, 73) }
```

Border

The CSS property to change the border of an element to XYZ 31.4665, 30.2222, 10.4783 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(188, 141, 73) }
```


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

```
.border{ border-color:rgb(188, 141, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 141, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 141, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 141, 73);  
box-shadow:4px 4px 4px 4px rgb(188, 141,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4665, 30.2222, 10.4783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 141, 73) }
```

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

```
.background{ background-color: rgb(188,  
141, 73) }
```

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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