

Converting Colors

XYZ(30.6773, 32.8073, 16.0262)

Have a look what the booklet for
XYZ(30.6773, 32.8073, 16.0262)
contains.

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Color

**XYZ(30.7265, 32.7449,
16.0102)**

Conversions

Conversions Part 1

Format	Color
Hex	AC9A61
RGB	172, 154, 97
RGB Percent	67%, 60%, 38%
CMY	0.3255, 0.3961, 0.6196
CMYK	0.00, 0.10, 0.44, 0.33
HSL	46°, 31%, 53%
HSV	46°, 44%, 67%
XYZ	30.7265, 32.7449, 16.0102
YIQ	152.8840, 29.0250, -13.9110

Conversions

Conversions Part 2

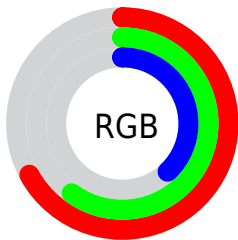
Format	Color
RYB	121, 172, 97
Decimal	11311713
CIELab	63.95, -1.47, 32.29
CIElCh	64, 32.323, 92.607
Yxy	32.7449, 0.3866, 0.4120
Android (android.graphics.Color)	4289501793 (0xFFAC9A61)
YUV	152.8840, -27.5508, 16.7647
Hunter-Lab	57.2232, -4.2933, 23.4677

Details

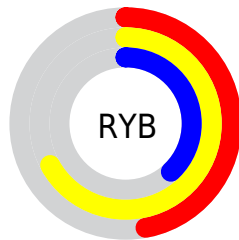
The XYZ color **30.7265, 32.7449, 16.0102** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.5067, 17.7808, 41.4863**, and the grayscale version is **30.3357, 31.9155, 34.7560**.

A 20% lighter version of the original color is **60.2143, 63.9079, 37.1788**, and **12.8758, 13.7738, 4.8857** is the 20% darker color. If you saturate the color by 10%, you get **29.3407, 31.1205, 12.0115**, and if you desaturate by 10%, it is **32.3113, 34.4888, 20.9339**.

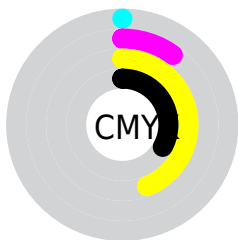
Distribution



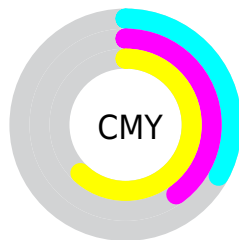
- Red (67%)
- Green (60%)
- Blue (38%)



- Red (47%)
- Yellow (67%)
- Blue (38%)



- Cyan (0%)
- Magenta (10%)
- Yellow (44%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7265, 32.7449, 16.0102 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 30.7265, 32.7449, 16.0102 by changing the saturation by 10% instead.

■ 30.7265, 32.7449,
16.0102

■ 30.7265, 32.7449,
16.0102

297.1258,
314.4987, 241.2497

■ 20.5415, 21.9311,
9.3769

■ 60.1880, 63.9770,
37.3829

■ 12.8998, 13.8063,
4.8877

■ 80.1952, 85.1642,
52.9595

■ 7.4361, 7.9861,
2.1239

■ 104.2071,
110.5779, 72.3543

■ 3.7850, 4.0860,
0.6300

■ 132.5892,
140.6025, 95.9857

■ 1.5813, 1.7218,
0.0000

165.7067,
175.6226, 124.2725

■ 0.3801, 0.4377,
0.0000

203.9251,

■ 0.0000, 0.0000,

216.0223, 157.6330

0.0000

247.6097,
262.1862, 196.4859

■ 30.7265, 32.7449,
16.0102

■ 30.7265, 32.7449,
16.0102

■ 29.3407, 31.1205,
12.0115

■ 32.3113, 34.4888,
20.9339

■ 28.1398, 29.6060,
8.8759

■ 34.1032, 36.3521,
26.8350

■ 27.1117, 28.1973,
6.5371


■ 36.1127, 38.3407,
33.7645


■ 26.2416, 26.8882,
4.9182


■ 38.3490, 40.4585,
41.7691


■ 25.5118, 25.6712,
3.9271


■ 40.8205, 42.7094,
50.8929

 25.0932, 24.9307,
3.4895

 43.5355, 45.0969,
61.1772

 46.5015, 47.6244,
72.6614

 49.7258, 50.2952,
85.3829

 53.2155, 53.1124,
99.3776

Harmonies

Analogous

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



35.3285, 32.7449, 17.7003



30.7265, 32.7449, 16.0102



26.6386, 32.7449, 18.4250

Triad

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



30.7265, 32.7449, 16.0102



24.3137, 32.7449, 50.9476



39.5636, 32.7449, 48.4823

Complementary

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



30.7265, 32.7449, 16.0102



18.5067, 17.7808, 41.4863

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.



36.0844, 32.7449, 61.2281



30.7265, 32.7449, 16.0102



27.2653, 32.7449, 62.8783

Square

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



30.7265, 32.7449, 16.0102



23.1691, 32.7449, 36.8064



31.5230, 32.7449, 67.0337



40.7162, 32.7449, 34.5252

Rectangle

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



30.7265, 32.7449, 16.0102



24.6713, 32.7449, 22.4890



31.5230, 32.7449, 67.0337



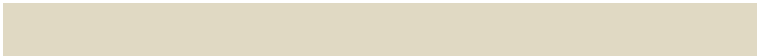
38.6117, 32.7449, 53.1557

Sweetspot

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



30.7273, 32.7464, 16.0109



65.6569, 69.6941, 61.7568



24.4260, 18.5755, 18.7453



14.0903, 14.9730, 12.7955



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



30.7273, 32.7464, 16.0109



53.3867, 56.6491, 22.2277



30.0944, 37.1648, 16.8971



8.4974, 8.9996, 8.5026



18.7176, 18.6407, 2.6115



0.5596, 0.5964, 0.0856

Inverse Universe

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



18.5067, 17.7808, 41.4863



28.4217, 26.1005, 74.3457



18.8907, 15.2242, 40.9725



7.7292, 8.0577, 10.1006



6.1752, 3.4843, 29.3916



0.2139, 0.1812, 0.8317

Previews

White Background



This preview shows how the XYZ color 30.7265, 32.7449, 16.0102 looks on a white background.

Color Contrast Check

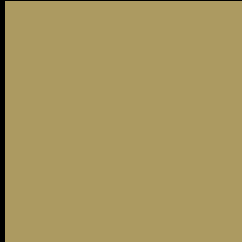
Large Text (above 18pt) WCAG AA × Fail

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 30.7265, 32.7449, 16.0102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

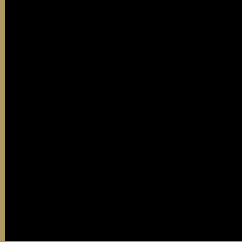
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.7265, 32.7449, 16.0102

Background



This preview shows how black text looks on a background with the XYZ color 30.7265, 32.7449, 16.0102.



This preview shows how white text looks on a background with the XYZ color 30.7265, 32.7449,

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

30.7265, 32.7449, 16.0102

Protanopia

30.2412, 32.7408, 16.0350

Deuteranopia

33.2880, 32.6264, 16.0983



Tritanopia

34.9654, 32.8010, 36.8361

Trichromacy



Original Color

30.7265, 32.7449, 16.0102

Protanomaly

30.4566, 32.8518, 16.0451

Deuteranomaly

32.4024, 32.6396, 16.1476

Tritanomaly

33.2548, 32.8204, 27.8748

Monochromacy



Original Color

30.7265, 32.7449, 16.0102

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1221, 31.9495, 26.7696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7265, 32.7449, 16.0102 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(172, 154, 97)` looks like.

```
.text, #text, p{  
    color:rgb(172, 154, 97)  
}
```

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(172, 154, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 154, 97) }
```

Border

The CSS property to change the border of an element to XYZ 30.7265, 32.7449, 16.0102 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(172, 154, 97) }
```


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

```
.border{ border-color:rgb(172, 154, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 154, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 154, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 154, 97);  
box-shadow:4px 4px 4px 4px rgb(172, 154,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7265, 32.7449, 16.0102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 154, 97) }
```

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

```
.background{ background-color: rgb(172,  
154, 97) }
```

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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