

Converting Colors

XYZ(34.8289, 37.9601, 22.2602)

Have a look what the booklet for
XYZ(34.8289, 37.9601, 22.2602)
contains.

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Color

**XYZ(34.7516, 37.7869,
22.2916)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A675
RGB	176, 166, 117
RGB Percent	69%, 65%, 46%
CMY	0.3098, 0.3490, 0.5412
CMYK	0.00, 0.06, 0.34, 0.31
HSL	50°, 27%, 57%
HSV	50°, 34%, 69%
XYZ	34.7516, 37.7869, 22.2916
YIQ	163.4040, 21.6890, -13.1190

Conversions

Conversions Part 2

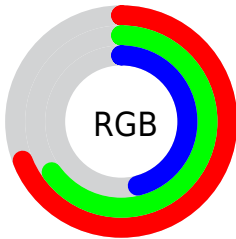
Format	Color
RYB	129, 176, 117
Decimal	11576949
CIELab	67.86, -3.95, 26.72
CIELCh	68, 27.006, 98.404
Yxy	37.7869, 0.3665, 0.3985
Android (android.graphics.Color)	4289767029 (0xFFB0A675)
YUV	163.4040, -22.8772, 11.0467
Hunter-Lab	61.4711, -6.6624, 21.5291

Details

The XYZ color **34.7516, 37.7869, 22.2916** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.7618, 22.0946, 44.1394**, and the grayscale version is **35.1023, 36.9303, 40.2171**.

A 20% lighter version of the original color is **66.3909, 71.7710, 48.3842**, and **15.0867, 16.5896, 7.8758** is the 20% darker color. If you saturate the color by 10%, you get **33.2771, 36.3412, 17.1659**, and if you desaturate by 10%, it is **36.4351, 39.3391, 28.4477**.

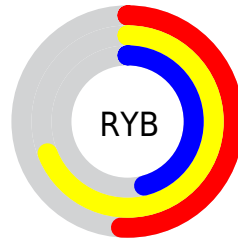
Distribution



Red (69%)

Green (65%)

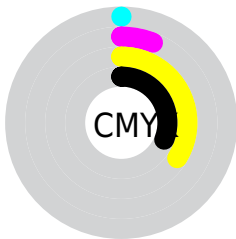
Blue (46%)



Red (51%)

Yellow (69%)

Blue (46%)

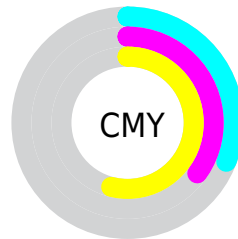


Cyan (0%)

Magenta (6%)

Yellow (34%)

Black (31%)



Cyan (31%)

Magenta (35%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7516, 37.7869, 22.2916 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 34.7516, 37.7869, 22.2916 by changing the saturation by 10% instead.

■ 34.7516, 37.7869,
22.2916

■ 34.7516, 37.7869,
22.2916

314.9978,
336.7049, 277.0683

■ 23.6372, 25.8173,
13.8710

■ 66.4373, 71.7814,
48.1358

■ 15.1880, 16.6870,
7.8932

■ 87.7394, 94.5751,
66.3965

■ 9.0386, 10.0116,
3.9399

■ 113.1681,
121.7457, 88.7743

■ 4.8237, 5.4067,
1.5924

143.0887,
153.6775, 115.6877

■ 2.1779, 2.4878,
0.2854

177.8666,
190.7549, 147.5552

■ 0.7310, 0.8705,
0.0000

217.8672,

■ 0.0000, 0.0000,

233.3624, 184.7955

0.0000

263.4558,
281.8842, 227.8270

■ 34.7516, 37.7869,
22.2916

■ 34.7516, 37.7869,
22.2916

■ 33.2771, 36.3412,
17.1659

■ 36.4351, 39.3391,
28.4477

■ 31.9979, 34.9921,
13.0108

■ 38.3350, 40.9967,
35.6851

■ 30.9027, 33.7366,
9.7637


■ 40.4617, 42.7654,
44.0539


■ 29.9780, 32.5689,
7.3538


■ 42.8240, 44.6488,
53.6005


■ 29.2083, 31.4829,
5.6999


■ 45.4305, 46.6506,
64.3687

 28.5751, 30.4708,
4.7043

 48.2889, 48.7739,
76.4000

 28.2115, 29.8441,
4.2736

 51.4069, 51.0219,
89.7340

 54.3374, 53.2159,
102.0156

 54.9893, 54.5196,
102.2328

Harmonies

Analogous

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



38.9603, 37.7869, 23.2151



34.7516, 37.7869, 22.2916



31.1433, 37.7869, 25.5927

Triad

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



34.7516, 37.7869, 22.2916



29.9693, 37.7869, 57.1906



43.9320, 37.7869, 50.2253

Complementary

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



34.7516, 37.7869, 22.2916



22.7618, 22.0946, 44.1394

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.



41.1515, 37.7869, 61.9829



34.7516, 37.7869, 22.2916



33.0333, 37.7869, 66.5172

Square

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



34.7516, 37.7869, 22.2916



28.5261, 37.7869, 44.6058



37.1047, 37.7869, 68.4233



44.4817, 37.7869, 37.8652

Rectangle

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



34.7516, 37.7869, 22.2916



29.4859, 37.7869, 30.2085



37.1047, 37.7869, 68.4233



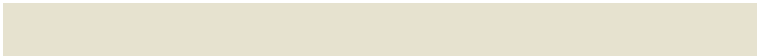
43.2174, 37.7869, 54.4425

Sweetspot

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



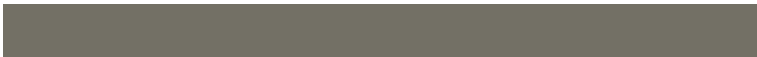
34.7526, 37.7886, 22.2924



70.7713, 75.4052, 69.5681



28.1503, 23.5068, 23.4129



15.2257, 16.2477, 14.6404



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



34.7526, 37.7886, 22.2924



61.0719, 66.6331, 33.5737



32.7029, 39.5352, 22.7375



9.0721, 9.6567, 9.0383



20.7364, 21.9714, 3.1480



0.6848, 0.7560, 0.1098

Inverse Universe

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



22.7618, 22.0946, 44.1394



36.0771, 33.9281, 79.1426



24.3001, 21.0654, 43.8596



8.1545, 8.4552, 10.7086



6.1174, 3.0352, 30.4004



0.2278, 0.1661, 0.9683

Previews

White Background



This preview shows how the XYZ color 34.7516, 37.7869, 22.2916 looks on a white background.

Color Contrast Check

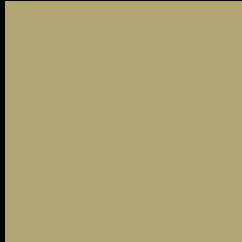
Large Text (above 18pt) WCAG AA × Fail

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 34.7516, 37.7869, 22.2916 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

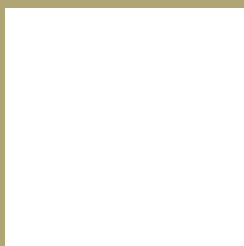
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7516, 37.7869, 22.2916

Background



This preview shows how black text looks on a background with the XYZ color 34.7516, 37.7869, 22.2916.



This preview shows how white text looks on a background with the XYZ color 34.7516, 37.7869,

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

34.7516, 37.7869, 22.2916

Protanopia

35.0261, 37.6596, 22.2526

Deuteranopia

38.3216, 37.5214, 22.6754



Tritanopia

39.0402, 37.6816, 43.7437

Trichromacy



Original Color

34.7516, 37.7869, 22.2916

Protanomaly

34.7975, 37.5417, 22.2419

Deuteranomaly

37.0011, 37.6166, 22.4501

Tritanomaly

37.3286, 37.7783, 34.6027

Monochromacy



Original Color

34.7516, 37.7869, 22.2916

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.6122, 36.9511, 32.5021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7516, 37.7869, 22.2916 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(176, 166, 117)` looks like.

```
.text, #text, p{  
    color:rgb(176, 166, 117)  
}
```

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(176, 166, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 166, 117) }
```

Border

The CSS property to change the border of an element to XYZ 34.7516, 37.7869, 22.2916 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(176, 166, 117) }
```


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

```
.border{ border-color:rgb(176, 166, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 166, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 166, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 166, 117);  
box-shadow:4px 4px 4px 4px rgb(176, 166,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7516, 37.7869, 22.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 166, 117) }
```

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

```
.background{ background-color: rgb(176,  
166, 117) }
```

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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