

Converting Colors

XYZ(40.4672, 37.1385, 16.9595)

Have a look what the booklet for
XYZ(40.4672, 37.1385, 16.9595)
contains.

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Color

**XYZ(40.4701, 37.0311,
16.8191)**

Conversions

Conversions Part 1

Format	Color
Hex	D49763
RGB	212, 151, 99
RGB Percent	83%, 59%, 39%
CMY	0.1686, 0.4078, 0.6118
CMYK	0.00, 0.29, 0.53, 0.17
HSL	28°, 57%, 61%
HSV	28°, 53%, 83%
XYZ	40.4701, 37.0311, 16.8191
YIQ	163.3110, 53.0480, -3.2400

Conversions

Conversions Part 2

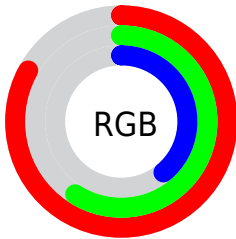
Format	Color
RYB	212, 195, 99
Decimal	13932387
CIELab	67.30, 17.10, 36.31
CIElCh	67, 40.137, 64.778
Yxy	37.0311, 0.4291, 0.3926
Android (android.graphics.Color)	4292122467 (0xFFD49763)
YUV	163.3110, -31.7053, 42.7003
Hunter-Lab	60.8532, 12.2174, 26.2102

Details

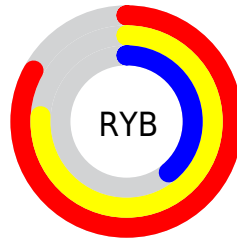
The XYZ color **40.4701, 37.0311, 16.8191** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.5994, 32.5463, 67.0091**, and the grayscale version is **35.0883, 36.9156, 40.2011**.

A 20% lighter version of the original color is **68.6572, 67.1570, 38.6221**, and **18.4811, 16.2234, 5.2893** is the 20% darker color. If you saturate the color by 10%, you get **37.8336, 33.1727, 11.5794**, and if you desaturate by 10%, it is **43.5532, 41.3571, 23.5207**.

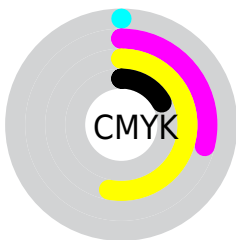
Distribution



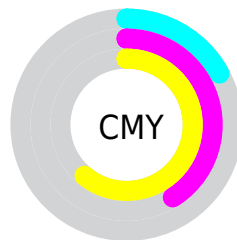
- Red (83%)
- Green (59%)
- Blue (39%)



- Red (83%)
- Yellow (76%)
- Blue (39%)



- Cyan (0%)
- Magenta (29%)
- Yellow (53%)
- Black (17%)



- Cyan (17%)
- Magenta (41%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4701, 37.0311, 16.8191 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 40.4701, 37.0311, 16.8191 by changing the saturation by 10% instead.

40.4701, 37.0311,
16.8191

40.4701, 37.0311,
16.8191

339.2015,
333.4451, 246.1363

28.0911, 25.2316,
9.9450

75.1586, 70.6206,
38.8009

18.5352, 16.2497,
5.2574

98.1989, 93.1794,
54.7456

11.4369, 9.7010,
2.3377

125.5236,
120.0934, 74.5510

6.4309, 5.2012,
0.7522

157.4981,
151.7469, 98.6355

3.1520, 2.3658,
0.0000

194.4878,
188.5245, 127.4178

1.2346, 0.8082,
0.0000

236.8581,

0.1335, 0.0000,

230.8105, 161.3163

0.0000

284.9742,
278.9892, 200.7496

■ 0.0000, 0.0000,
0.0000

■ 40.4701, 37.0311,
16.8191

■ 40.4701, 37.0311,
16.8191

■ 37.8336, 33.1727,
11.5794

■ 43.5532, 41.3571,
23.5207

■ 35.6146, 29.7579,
7.6858

■ 47.1042, 46.1625,
31.7839

■ 33.7842, 26.7679,
5.0077

■ 51.1457, 51.4656,
41.7016

■ 32.3072, 24.1798,
3.3871

■ 55.6983, 57.2815,
53.3592

■ 31.4785, 22.6515,
2.7131

■ 60.7810, 63.6250,
66.8359

■ 66.4119, 70.5100,
82.2060

■ 72.6082, 77.9499,
99.5398

■ 77.1180, 85.0504,
106.9596

■ 80.6416, 92.0977,
108.1341

Harmonies

Analogous

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



45.8093, 37.0311, 23.9490



40.4701, 37.0311, 16.8191



34.2229, 37.0311, 15.1444

Triad

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



40.4701, 37.0311, 16.8191



24.6961, 37.0311, 43.2024



42.3681, 37.0311, 74.9473

Complementary

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



40.4701, 37.0311, 16.8191



29.5994, 32.5463, 67.0091

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.



36.1893, 37.0311, 84.2597



40.4701, 37.0311, 16.8191



26.3649, 37.0311, 62.8395

Square

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



40.4701, 37.0311, 16.8191



25.5622, 37.0311, 27.5630



30.4030, 37.0311, 79.2853



46.9914, 37.0311, 56.5089

Rectangle

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



40.4701, 37.0311, 16.8191



30.4782, 37.0311, 16.7574



30.4030, 37.0311, 79.2853



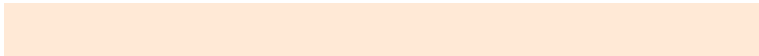
40.3792, 37.0311, 79.4591

Sweetspot

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



40.4710, 37.0329, 16.8198



82.5356, 84.3901, 75.6912



38.0596, 25.4995, 36.7038



17.3543, 17.6658, 15.3996



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.4710, 37.0329, 16.8198



56.9649, 49.6330, 16.6572



51.5591, 59.2091, 20.5158



12.8895, 13.3532, 13.0588



19.5312, 14.1796, 1.7075



1.2603, 1.0198, 0.1304

Inverse Universe

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



29.5994, 32.5463, 67.0091



38.7431, 42.0839, 100.6888



22.0455, 17.4385, 64.4911



12.2923, 13.1080, 15.8197



11.1827, 10.6272, 39.9150



0.7569, 0.8058, 2.4349

Previews

White Background



This preview shows how the XYZ color 40.4701, 37.0311, 16.8191 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 40.4701, 37.0311, 16.8191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

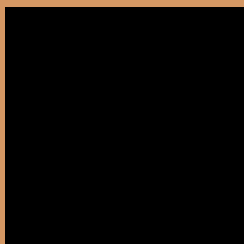
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4701, 37.0311, 16.8191

Background



This preview shows how black text looks on a background with the XYZ color 40.4701, 37.0311, 16.8191.



This preview shows how white text looks on a background with the XYZ color 40.4701, 37.0311,

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

40.4701, 37.0311, 16.8191

Protanopia

34.3646, 37.1341, 18.4531

Deuteranopia

37.8148, 37.1379, 16.7306



Tritanopia

44.5049, 37.0648, 35.8189

Trichromacy



Original Color

40.4701, 37.0311, 16.8191

Protanomaly

36.2823, 36.8319, 17.7674

Deuteranomaly

38.8278, 37.1619, 16.6818

Tritanomaly

42.8312, 37.0638, 27.8182

Monochromacy



Original Color

40.4701, 37.0311, 16.8191

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.1878, 36.5135, 29.9514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4701, 37.0311, 16.8191 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(212, 151, 99)` looks like.

```
.text, #text, p{  
    color:rgb(212, 151, 99)  
}
```

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(212, 151, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 151, 99) }
```

Border

The CSS property to change the border of an element to XYZ 40.4701, 37.0311, 16.8191 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(212, 151, 99) }
```


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

```
.border{ border-color:rgb(212, 151, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 151, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 151, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 151, 99);  
box-shadow:4px 4px 4px 4px rgb(212, 151,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4701, 37.0311, 16.8191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 151, 99) }
```

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

```
.background{ background-color: rgb(212,  
151, 99) }
```

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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