

Converting Colors

XYZ(40.3470, 36.4712, 17.7451)

Have a look what the booklet for
XYZ(40.3470, 36.4712, 17.7451)
contains.

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Color

**XYZ(40.3470, 36.4712,
17.7451)**

Conversions

Conversions Part 1

Format	Color
Hex	D49567
RGB	212, 149, 103
RGB Percent	83%, 58%, 40%
CMY	0.1686, 0.4157, 0.5961
CMYK	0.00, 0.30, 0.51, 0.17
HSL	25°, 56%, 62%
HSV	25°, 51%, 83%
XYZ	40.3470, 36.4712, 17.7451
YIQ	162.5930, 52.3140, -0.9500

Conversions

Conversions Part 2

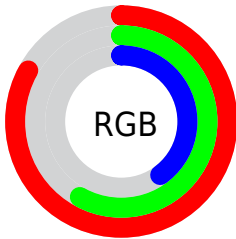
Format	Color
RYB	212, 183, 103
Decimal	13931879
CIELab	66.88, 18.54, 33.65
CIElCh	67, 38.418, 61.145
Yxy	36.4712, 0.4267, 0.3857
Android (android.graphics.Color)	4292121959 (0xFFD49567)
YUV	162.5930, -29.3793, 43.3299
Hunter-Lab	60.3914, 13.5695, 24.8525

Details

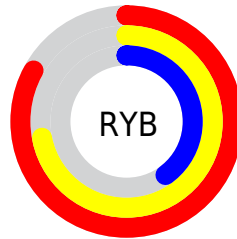
The XYZ color **40.3470, 36.4712, 17.7451** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.1127, 34.9079, 67.3852**, and the grayscale version is **34.7385, 36.5476, 39.8003**.

A 20% lighter version of the original color is **68.5123, 66.3384, 40.2040**, and **18.3837, 15.8812, 5.7109** is the 20% darker color. If you saturate the color by 10%, you get **37.5774, 32.4245, 12.2211**, and if you desaturate by 10%, it is **43.5921, 41.0373, 24.7591**.

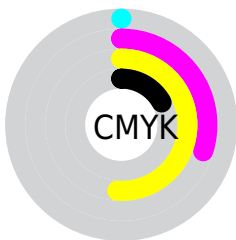
Distribution



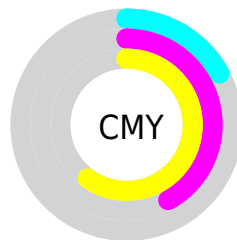
- Red (83%)
- Green (58%)
- Blue (40%)



- Red (83%)
- Yellow (72%)
- Blue (40%)



- Cyan (0%)
- Magenta (30%)
- Yellow (51%)
- Black (17%)



- Cyan (17%)
- Magenta (42%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3470, 36.4712, 17.7451 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 40.3470, 36.4712, 17.7451 by changing the saturation by 10% instead.

40.3470, 36.4712,
17.7451

40.3470, 36.4712,
17.7451

338.6934,
331.0154, 251.6180

27.9946, 24.7983,
10.5996

74.9726, 69.7587,
40.4106

18.4620, 15.9269,
5.6875

97.9765, 92.1422,
56.7676

11.3839, 9.4724,
2.5903

125.2617,
118.8646, 77.0322

6.3949, 5.0506,
0.8875

157.1934,
150.3104, 101.6230

3.1296, 2.2770,
0.0000

194.1371,
186.8640, 130.9584

1.2226, 0.7615,
0.0000

236.4581,

0.1241, 0.0000,

228.9098, 165.4570

0.0000

284.5217,
276.8321, 205.5374

■ 0.0000, 0.0000,
0.0000

■ 40.3470, 36.4712,
17.7451

■ 40.3470, 36.4712,
17.7451

■ 37.5774, 32.4245,
12.2211

■ 43.5921, 41.0373,
24.7591

■ 35.2535, 28.8709,
8.0734

■ 47.3347, 46.1369,
33.3612

■ 33.3459, 25.7895,
5.1749

■ 51.5984, 51.7901,
43.6433

■ 31.8190, 23.1550,
3.3733

■ 56.4044, 58.0141,
55.6898

■ 30.7635, 21.2215,
2.4747

■ 61.7726, 64.8256,
69.5793

■ 67.7219, 72.2402,
85.3857

■ 74.2701, 80.2732,
103.1787

■ 78.4693, 87.7530,
107.4100

■ 80.9613, 92.7370,
108.2407

Harmonies

Analogous

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



45.1447, 36.4712, 25.3416



40.3470, 36.4712, 17.7451



34.4417, 36.4712, 15.5242

Triad

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



40.3470, 36.4712, 17.7451



24.6423, 36.4712, 40.3546



40.7769, 36.4712, 73.9157

Complementary

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



40.3470, 36.4712, 17.7451



31.1127, 34.9079, 67.3852

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.



34.8888, 36.4712, 81.1138



40.3470, 36.4712, 17.7451



25.9469, 36.4712, 58.6875

Square

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



40.3470, 36.4712, 17.7451



25.7631, 36.4712, 26.1724



29.5428, 36.4712, 74.8887



45.4118, 36.4712, 57.2606

Rectangle

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



40.3470, 36.4712, 17.7451



30.7849, 36.4712, 16.7024



29.5428, 36.4712, 74.8887



38.8577, 36.4712, 77.7013

Sweetspot

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



40.3479, 36.4730, 17.7458



82.8408, 84.4745, 77.4143



38.9383, 26.4725, 39.4152



17.3978, 17.6492, 15.7333



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.



40.3479, 36.4730, 17.7458



56.6020, 48.5392, 17.6706



50.9358, 57.6487, 21.2751



12.8497, 13.2737, 13.0455



19.0864, 13.2900, 1.5593



1.2321, 0.9635, 0.1210

Inverse Universe

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



31.1127, 34.9079, 67.3852



41.0105, 45.8386, 101.2940



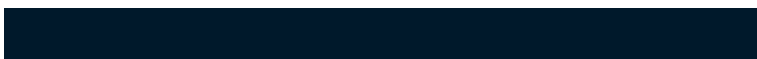
23.2809, 19.2442, 64.7746



12.3327, 13.1887, 15.8332



11.7737, 11.8091, 40.1120



0.7913, 0.8746, 2.4464

Previews

White Background



This preview shows how the XYZ color 40.3470, 36.4712, 17.7451 looks on a white background.

Color Contrast Check

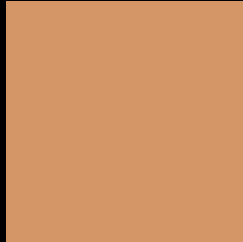
Large Text (above 18pt) WCAG AA × Fail

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 40.3470, 36.4712, 17.7451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

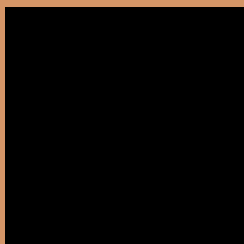
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3470, 36.4712, 17.7451

Background



This preview shows how black text looks on a background with the XYZ color 40.3470, 36.4712, 17.7451.



This preview shows how white text looks on a background with the XYZ color 40.3470, 36.4712,

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

40.3470, 36.4712, 17.7451

Protanopia

33.9890, 36.6456, 19.7499

Deuteranopia

37.3127, 36.6066, 17.6696



Tritanopia

43.8911, 36.5438, 34.8773

Trichromacy



Original Color

40.3470, 36.4712, 17.7451

Protanomaly

36.1159, 36.4624, 19.0444

Deuteranomaly

38.1466, 36.2983, 17.5661

Tritanomaly

42.5229, 36.4471, 27.7155

Monochromacy



Original Color

40.3470, 36.4712, 17.7451

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.0906, 36.2006, 30.2845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3470, 36.4712, 17.7451 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, 149, 103)` looks like.

```
.text, #text, p{  
    color:rgb(212, 149, 103)  
}
```

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, 149, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 149, 103) }
```

Border

The CSS property to change the border of an element to XYZ 40.3470, 36.4712, 17.7451 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, 149, 103) }
```


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

```
.border{ border-color:rgb(212, 149, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 149, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 149, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 149, 103);  
box-shadow:4px 4px 4px 4px rgb(212, 149,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3470, 36.4712, 17.7451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 149, 103) }
```

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

```
.background{ background-color: rgb(212,  
149, 103) }
```

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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