

Converting Colors

XYZ(40.2358, 41.5074, 21.7515)

Have a look what the booklet for
XYZ(40.2358, 41.5074, 21.7515)
contains.

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Color

**XYZ(40.2512, 41.4612,
21.8009)**

Conversions

Conversions Part 1

Format	Color
Hex	C5A972
RGB	197, 169, 114
RGB Percent	77%, 66%, 45%
CMY	0.2275, 0.3372, 0.5529
CMYK	0.00, 0.14, 0.42, 0.23
HSL	40°, 42%, 61%
HSV	40°, 42%, 77%
XYZ	40.2512, 41.4612, 21.8009
YIQ	171.1020, 34.3430, -11.1690

Conversions

Conversions Part 2

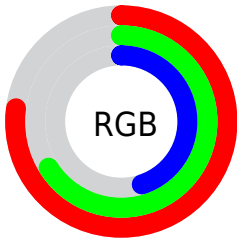
Format	Color
RYB	156, 197, 114
Decimal	12953970
CIELab	70.50, 2.64, 32.13
CIElCh	70, 32.238, 85.300
Yxy	41.4612, 0.3889, 0.4005
Android (android.graphics.Color)	4291144050 (0xFFC5A972)
YUV	171.1020, -28.1513, 22.7125
Hunter-Lab	64.3904, -1.1006, 24.9992

Details

The XYZ color **40.2512, 41.4612, 21.8009** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.6901, 26.9536, 56.6191**, and the grayscale version is **38.8858, 40.9109, 44.5519**.

A 20% lighter version of the original color is **74.8707, 77.3613, 47.5453**, and **18.4708, 18.8550, 7.6669** is the 20% darker color. If you saturate the color by 10%, you get **38.0438, 38.6518, 16.1162**, and if you desaturate by 10%, it is **42.7650, 44.4968, 28.7801**.

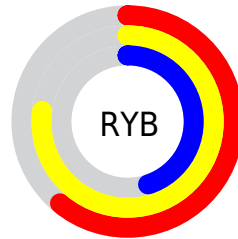
Distribution



Red (77%)

Green (66%)

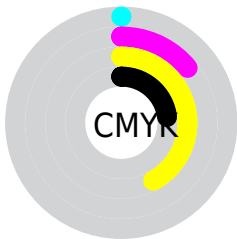
Blue (45%)



Red (61%)

Yellow (77%)

Blue (45%)

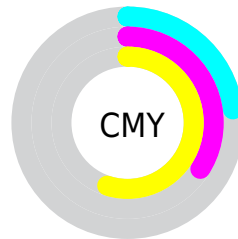


Cyan (0%)

Magenta (14%)

Yellow (42%)

Black (23%)



Cyan (23%)

Magenta (34%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2512, 41.4612, 21.8009 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 40.2512, 41.4612, 21.8009 by changing the saturation by 10% instead.

■ 40.2512, 41.4612,
21.8009

■ 40.2512, 41.4612,
21.8009

338.2975,
352.2445, 274.4243

■ 27.9195, 28.6796,
13.5138

■ 74.8278, 77.3835,
47.3147

■ 18.4052, 18.8386,
7.6484

■ 97.8034, 101.2931,
65.3784

■ 11.3427, 11.5537,
3.7863

■ 125.0578,
129.6807, 87.5380

■ 6.3668, 6.4406,
1.5088

156.9562,
162.9309, 114.2122

■ 3.1122, 3.1148,
0.2245

193.8640,
201.4279, 145.8193

■ 1.2134, 1.1919,
0.0000

236.1466,

■ 0.1169, 0.0551,

245.5563, 182.7780

0.0000

284.1693,
295.7004, 225.5068

■ 0.0000, 0.0000,
0.0000

■ 40.2512, 41.4612,
21.8009

■ 40.2512, 41.4612,
21.8009

■ 38.0438, 38.6518,
16.1162

■ 42.7650, 44.4968,
28.7801

■ 36.1232, 36.0546,
11.6407

■ 45.5973, 47.7602,
37.1266

■ 34.4719, 33.6627,
8.2828

■ 48.7631, 51.2604,
46.9109

■ 33.0689, 31.4661,
5.9365

■ 52.2756, 55.0041,
58.1977

■ 31.8893, 29.4532,
4.4752

■ 56.1472, 58.9975,
71.0480

■ 31.0824, 27.9832,
3.7631

■ 60.3894, 63.2466,
85.5191

■ 65.0135, 67.7573,
101.6656

■ 67.2403, 71.4191,
104.8491

■ 69.0419, 75.0222,
105.4496

Harmonies

Analogous

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



45.5183, 41.4612, 25.0990



40.2512, 41.4612, 21.8009



35.1984, 41.4612, 23.5117

Triad

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



40.2512, 41.4612, 21.8009



30.8693, 41.4612, 58.8472



48.4236, 41.4612, 63.9459

Complementary

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



40.2512, 41.4612, 21.8009



26.6901, 26.9536, 56.6191

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.



43.9397, 41.4612, 77.1225



40.2512, 41.4612, 21.8009



33.8699, 41.4612, 73.7448

Square

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



40.2512, 41.4612, 21.8009



30.0722, 41.4612, 42.7875



38.5759, 41.4612, 81.0600



50.4990, 41.4612, 47.5858

Rectangle

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



40.2512, 41.4612, 21.8009



32.5789, 41.4612, 27.5238



38.5759, 41.4612, 81.0600



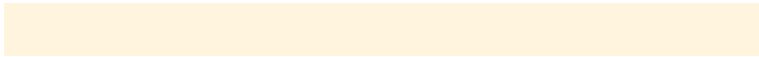
47.1295, 41.4612, 69.0271

Sweetspot

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



40.2522, 41.4631, 21.8017



86.7009, 91.1183, 82.0198



34.0052, 25.8900, 29.2119



18.2774, 19.1965, 16.6795



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.



40.2522, 41.4631, 21.8017



68.2664, 69.3952, 29.1819



42.9028, 51.4058, 23.5812



11.2110, 11.7911, 11.2478



20.5241, 18.5653, 2.5017



1.0368, 1.0090, 0.1401

Inverse Universe

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



26.6901, 26.9536, 56.6191



40.6537, 39.8833, 100.1633



24.7664, 20.5362, 55.4818



10.3442, 10.8624, 13.4690



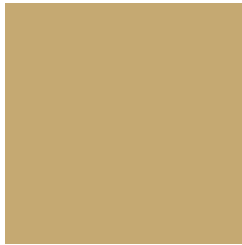
7.9972, 5.3883, 35.3629



0.4458, 0.3895, 1.6968

Previews

White Background



This preview shows how the XYZ color 40.2512, 41.4612, 21.8009 looks on a white background.

Color Contrast Check

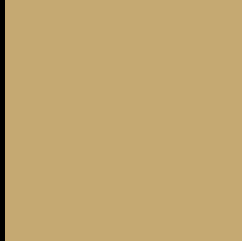
Large Text (above 18pt) WCAG AA × Fail

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 40.2512, 41.4612, 21.8009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

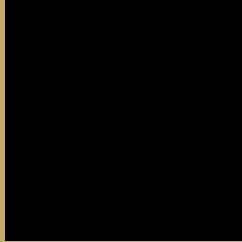
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2512, 41.4612, 21.8009

Background



This preview shows how black text looks on a background with the XYZ color 40.2512, 41.4612, 21.8009.



This preview shows how white text looks on a background with the XYZ color 40.2512, 41.4612,

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

40.2512, 41.4612, 21.8009

Protanopia

38.5316, 41.6897, 22.2357

Deuteranopia

42.2818, 41.4135, 21.9848



Tritanopia

45.0135, 41.2422, 45.6325

Trichromacy



Original Color

40.2512, 41.4612, 21.8009

Protanomaly

39.3329, 41.8192, 22.2185

Deuteranomaly

41.3593, 41.2068, 21.9935

Tritanomaly

43.0303, 41.2354, 35.3971

Monochromacy



Original Color

40.2512, 41.4612, 21.8009

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.7021, 40.6548, 34.6615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2512, 41.4612, 21.8009 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(197, 169, 114)` looks like.

```
.text, #text, p{  
    color:rgb(197, 169, 114)  
}
```

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(197, 169, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 169, 114) }
```

Border

The CSS property to change the border of an element to XYZ 40.2512, 41.4612, 21.8009 is called "border". The border property can be set on classes, ids or directly on the HTML element.

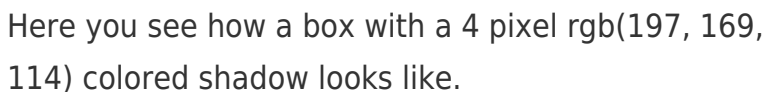
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 169, 114) }
```


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

```
.border{ border-color:rgb(197, 169, 114) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 169, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 169, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 169, 114);  
box-shadow:4px 4px 4px 4px rgb(197, 169,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2512, 41.4612, 21.8009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 169, 114) }
```

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

```
.background{ background-color: rgb(197,  
169, 114) }
```

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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