

Converting Colors

XYZ(42.5312, 39.9987, 21.5308)

Have a look what the booklet for
XYZ(42.5312, 39.9987, 21.5308)
contains.

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Color

**XYZ(42.5868, 40.0082,
21.3974)**

Conversions

Conversions Part 1

Format	Color
Hex	D49F72
RGB	212, 159, 114
RGB Percent	83%, 62%, 45%
CMY	0.1686, 0.3764, 0.5529
CMYK	0.00, 0.25, 0.46, 0.17
HSL	28°, 53%, 64%
HSV	28°, 46%, 83%
XYZ	42.5868, 40.0082, 21.3974
YIQ	169.7170, 46.0330, -2.7590

Conversions

Conversions Part 2

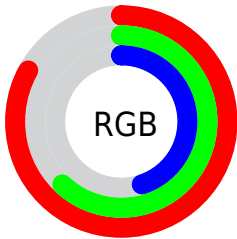
Format	Color
R _Y B	212, 197, 114
Decimal	13934450
CIE Lab	69.48, 14.18, 31.09
CIE LCh	69, 34.172, 65.492
Yxy	40.0082, 0.4095, 0.3847
Android (android.graphics.Color)	4292124530 (0xFFD49F72)
YUV	169.7170, -27.4685, 37.0822
Hunter-Lab	63.2520, 9.4907, 24.2193

Details

The XYZ color **42.5868, 40.0082, 21.3974** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.6413, 35.9670, 67.5093**, and the grayscale version is **38.1848, 40.1733, 43.7488**.

A 20% lighter version of the original color is **72.1695, 72.1063, 46.1906**, and **19.8343, 18.0753, 7.4445** is the 20% darker color. If you saturate the color by 10%, you get **39.6364, 35.8200, 15.1348**, and if you desaturate by 10%, it is **46.0017, 44.6779, 29.1953**.

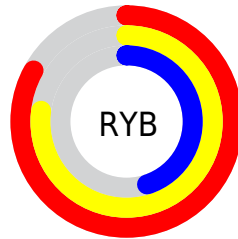
Distribution



Red (83%)

Green (62%)

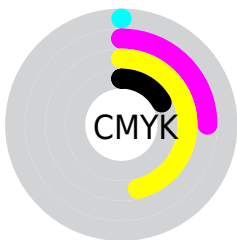
Blue (45%)



Red (83%)

Yellow (77%)

Blue (45%)

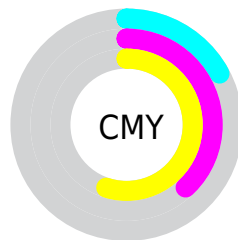


Cyan (0%)

Magenta (25%)

Yellow (46%)

Black (17%)



Cyan (17%)

Magenta (38%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5868, 40.0082, 21.3974 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 42.5868, 40.0082, 21.3974 by changing the saturation by 10% instead.

42.5868, 40.0082,
21.3974

42.5868, 40.0082,
21.3974

347.8601,
346.1581, 272.2331

29.7542, 27.5449,
13.2207

78.3466, 75.1760,
46.6373

19.7992, 17.9829,
7.4482

102.0044, 98.6493,
64.5377

12.3566, 10.9377,
3.6613

130.0013,
126.5615, 86.5163

7.0609, 6.0250,
1.4414

162.7027,
159.2968, 112.9918

3.5469, 2.8603,
0.1737

200.4740,
197.2398, 144.3827

1.4491, 1.0592,
0.0000

243.6804,

0.2908, 0.0000,

240.7747, 181.1075

0.0000

292.6873,
290.2860, 223.5848

■ 0.0000, 0.0000,
0.0000

■ 42.5868, 40.0082,
21.3974

■ 42.5868, 40.0082,
21.3974

■ 39.6364, 35.8200,
15.1348

■ 46.0017, 44.6779,
29.1953

■ 37.1231, 32.0897,
10.3003

■ 49.9006, 49.8399,
38.6211

■ 35.0204, 28.8001,
6.7764


■ 54.3054, 55.5117,
49.7627


■ 33.2973, 25.9301,
4.4256


■ 59.2356, 61.7083,
62.7010


■ 31.9156, 23.4553,
3.0750


■ 64.7096, 68.4439,
77.5117

 31.4591, 22.6125,
2.7066

 70.7447, 75.7320,
94.2662

 76.1428, 83.0998,
106.6345

 79.6111, 90.0366,
107.7906

 80.9614, 92.7370,
108.2407

Harmonies

Analogous

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



47.3086, 40.0082, 28.2305



42.5868, 40.0082, 21.3974



37.0228, 40.0082, 19.8246

Triad

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



42.5868, 40.0082, 21.3974



28.4366, 40.0082, 46.5274



44.5067, 40.0082, 73.1861

Complementary

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



42.5868, 40.0082, 21.3974



32.6413, 35.9670, 67.5093

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.



39.0484, 40.0082, 81.2243



42.5868, 40.0082, 21.3974



30.0458, 40.0082, 63.6310

Square

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



42.5868, 40.0082, 21.3974



29.1885, 40.0082, 32.1622



33.8041, 40.0082, 77.3620



48.4897, 40.0082, 57.3802

Rectangle

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



42.5868, 40.0082, 21.3974



33.6520, 40.0082, 21.5347



33.8041, 40.0082, 77.3620



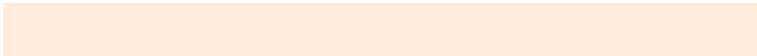
42.7648, 40.0082, 77.0397

Sweetspot

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



42.5878, 40.0101, 21.3982



83.9733, 86.2054, 79.4385



40.2275, 28.8555, 40.4468



17.6394, 18.0273, 16.1379



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.



42.5878, 40.0101, 21.3982



60.4717, 54.7953, 23.5337



52.5258, 59.8861, 24.7109



12.8884, 13.3511, 13.0584



19.5191, 14.1554, 1.7035



1.2595, 1.0182, 0.1302

Inverse Universe

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



32.6413, 35.9670, 67.5093



43.6295, 47.9322, 101.5601



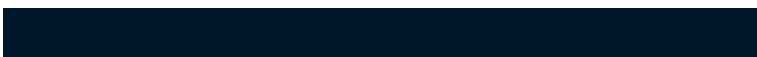
25.4084, 21.5012, 65.0983



12.2934, 13.1101, 15.8201



11.1975, 10.6567, 39.9199



0.7578, 0.8075, 2.4352

Previews

White Background



This preview shows how the XYZ color 42.5868, 40.0082, 21.3974 looks on a white background.

Color Contrast Check

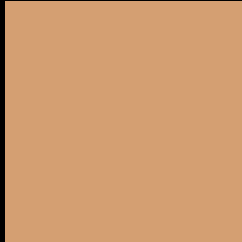
Large Text (above 18pt) WCAG AA × Fail

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 42.5868, 40.0082, 21.3974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

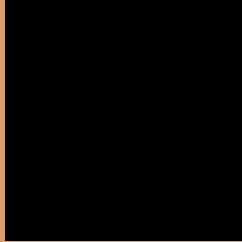
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5868, 40.0082, 21.3974

Background



This preview shows how black text looks on a background with the XYZ color 42.5868, 40.0082, 21.3974.

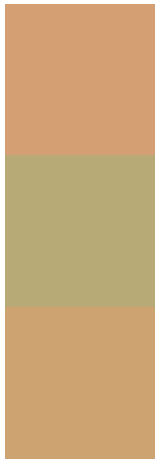


This preview shows how white text looks on a background with the XYZ color 42.5868, 40.0082,

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

42.5868, 40.0082, 21.3974

Protanopia

37.4119, 40.2478, 22.9363

Deuteranopia

40.9797, 40.2240, 21.2269



Tritanopia

46.5443, 39.8885, 40.3681

Trichromacy



Original Color

42.5868, 40.0082, 21.3974

Protanomaly

39.0952, 40.0261, 22.4949

Deuteranomaly

41.6331, 40.2983, 21.2068

Tritanomaly

44.9340, 39.9651, 32.5399

Monochromacy



Original Color

42.5868, 40.0082, 21.3974

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

39.1488, 39.7887, 34.4708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5868, 40.0082, 21.3974 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, 159, 114)` looks like.

```
.text, #text, p{  
    color:rgb(212, 159, 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(212, 159, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 159, 114) }
```

Border

The CSS property to change the border of an element to XYZ 42.5868, 40.0082, 21.3974 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, 159, 114) }
```


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

```
.border{ border-color:rgb(212, 159, 114) }
```

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

Here you see how a box with a 4 pixel rgb(212, 159, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 159, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 159, 114);  
box-shadow:4px 4px 4px 4px rgb(212, 159,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5868, 40.0082, 21.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 159, 114) }
```

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

```
.background{ background-color: rgb(212,  
159, 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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