

Converting Colors

XYZ(42.8776, 38.9456, 19.4447)

Have a look what the booklet for
XYZ(42.8776, 38.9456, 19.4447)
contains.

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Color

**XYZ(42.8776, 38.9456,
19.4447)**

Conversions

Conversions Part 1

Format	Color
Hex	D99A6C
RGB	217, 154, 108
RGB Percent	85%, 60%, 42%
CMY	0.1490, 0.3961, 0.5765
CMYK	0.00, 0.29, 0.50, 0.15
HSL	25°, 59%, 64%
HSV	25°, 50%, 85%
XYZ	42.8776, 38.9456, 19.4447
YIQ	167.5930, 52.3140, -0.9500

Conversions

Conversions Part 2

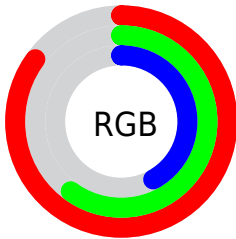
Format	Color
R_{YB}	217, 188, 108
Decimal	14260844
CIE _{Lab}	68.71, 18.34, 33.43
CIE _{LCh}	69, 38.126, 61.255
Yxy	38.9456, 0.4234, 0.3846
Android (android.graphics.Color)	4292450924 (0xFFD99A6C)
YUV	167.5930, -29.3793, 43.3299
Hunter-Lab	62.4064, 13.4309, 25.2108

Details

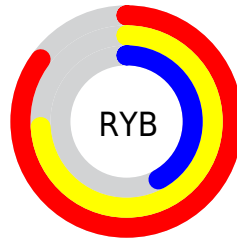
The XYZ color **42.8776, 38.9456, 19.4447** is a light color, and the websafe version is hex **CC9966**, and the color name is **tan (crayola)**. A complement of this color would be **33.2709, 37.3220, 71.0956**, and the grayscale version is **37.1422, 39.0765, 42.5543**.

A 20% lighter version of the original color is **70.3856, 69.3990, 42.9433**, and **19.9377, 17.3872, 6.4429** is the 20% darker color. If you saturate the color by 10%, you get **39.9006, 34.6155, 13.4464**, and if you desaturate by 10%, it is **46.3602, 43.8271, 27.0302**.

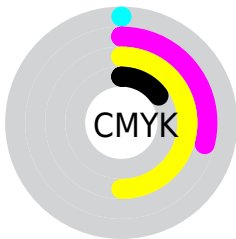
Distribution



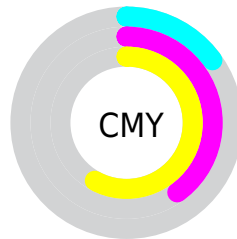
- Red (85%)
- Green (60%)
- Blue (42%)



- Red (85%)
- Yellow (74%)
- Blue (42%)



- Cyan (0%)
- Magenta (29%)
- Yellow (50%)
- Black (15%)



- Cyan (15%)
- Magenta (40%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8776, 38.9456, 19.4447 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 42.8776, 38.9456, 19.4447 by changing the saturation by 10% instead.

42.8776, 38.9456,
19.4447

42.8776, 38.9456,
19.4447

349.0382,
341.6591, 261.3969

29.9832, 26.7174,
11.8120

78.7830, 73.5552,
43.3309

19.9738, 17.3611,
6.4948

102.5247, 96.7054,
60.4214

12.4842, 10.4923,
3.0746

130.6128,
124.2651, 81.5016

7.1489, 5.7266,
1.1329

163.4128,
156.6186, 106.9901

3.6025, 2.6795,
0.0000

201.2900,
194.1504, 137.3053

1.4798, 0.9668,
0.0000

244.6097,

0.3120, 0.0000,

237.2448, 172.8658

0.0000

293.7373,
286.2863, 214.0902

■ 0.0000, 0.0000,
0.0000

■ 42.8776, 38.9456,
19.4447

■ 42.8776, 38.9456,
19.4447

■ 39.9006, 34.6155,
13.4464

■ 46.3602, 43.8271,
27.0302

■ 37.3980, 30.8091,
8.9164

■ 50.3715, 49.2746,
36.3055

■ 35.3389, 27.5045,
5.7224

■ 54.9361, 55.3094,
47.3670

■ 33.6867, 24.6752,
3.7066

■ 60.0764, 61.9496,
60.3032

■ 32.4067, 22.3347,
2.6030

■ 65.8133, 69.2126,
75.1967

■ 72.1666, 77.1151,
92.1251

■ 78.3560, 85.3533,
106.9528

■ 82.2134, 93.0681,
108.2386

■ 82.4251, 93.4916,
108.3092

Harmonies

Analogous

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



47.8401, 38.9456, 27.4034



42.8776, 38.9456, 19.4447



36.7632, 38.9456, 17.1157

Triad

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



42.8776, 38.9456, 19.4447



26.5922, 38.9456, 43.1367



43.3647, 38.9456, 77.5996

Complementary

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



42.8776, 38.9456, 19.4447



33.2709, 37.3220, 71.0956

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.



37.2712, 38.9456, 85.0233



42.8776, 38.9456, 19.4447



27.9627, 38.9456, 62.0741

Square

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



42.8776, 38.9456, 19.4447



27.7525, 38.9456, 28.3560



31.7157, 38.9456, 78.6930



48.1421, 38.9456, 60.4639

Rectangle

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



42.8776, 38.9456, 19.4447



32.9702, 38.9456, 18.3748



31.7157, 38.9456, 78.6930



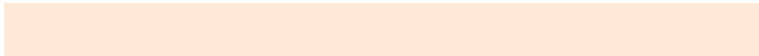
41.3813, 38.9456, 81.4941

Sweetspot

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



42.8786, 38.9475, 19.4455



82.8408, 84.4746, 77.4143



41.3843, 28.4397, 42.1286



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.



42.8786, 38.9475, 19.4455



57.3794, 49.7016, 19.1395



53.8575, 60.9054, 23.1051



13.5055, 13.9503, 13.7064



19.7170, 13.7195, 1.6089



1.3614, 1.0570, 0.1323

Inverse Universe

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



33.2709, 37.3220, 71.0956



42.0349, 47.0556, 101.4749



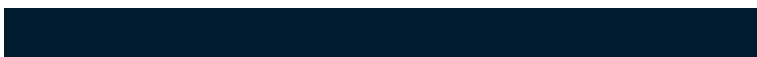
25.0800, 20.9403, 68.3653



12.9605, 13.8608, 16.6444



12.1593, 12.1881, 41.4501



0.8724, 0.9588, 2.7135

Previews

White Background



This preview shows how the XYZ color 42.8776, 38.9456, 19.4447 looks on a white background.

Color Contrast Check

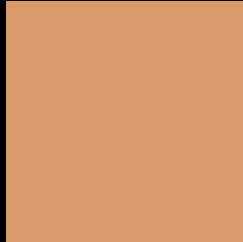
Large Text (above 18pt) WCAG AA × Fail

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 42.8776, 38.9456, 19.4447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

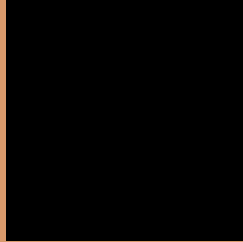
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8776, 38.9456, 19.4447

Background



This preview shows how black text looks on a background with the XYZ color 42.8776, 38.9456, 19.4447.



This preview shows how white text looks on a background with the XYZ color 42.8776, 38.9456,

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

42.8776, 38.9456, 19.4447

Protanopia

36.3313, 39.1653, 21.5644

Deuteranopia

40.0273, 39.2478, 19.3758



Tritanopia

46.5105, 38.7428, 37.8276

Trichromacy



Original Color

42.8776, 38.9456, 19.4447

Protanomaly

38.5275, 38.9663, 20.8199

Deuteranomaly

40.8931, 38.9252, 19.2679

Tritanomaly

45.1552, 38.9218, 29.9437

Monochromacy



Original Color

42.8776, 38.9456, 19.4447

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.5352, 38.7088, 32.6347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8776, 38.9456, 19.4447 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(217, 154, 108)` looks like.

```
.text, #text, p{  
    color:rgb(217, 154, 108)  
}
```

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(217, 154, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 154, 108) }
```

Border

The CSS property to change the border of an element to XYZ 42.8776, 38.9456, 19.4447 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(217, 154, 108) }
```


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

```
.border{ border-color:rgb(217, 154, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 154, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 154, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 154, 108);  
box-shadow:4px 4px 4px 4px rgb(217, 154,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8776, 38.9456, 19.4447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 154, 108) }
```

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

```
.background{ background-color: rgb(217,  
154, 108) }
```

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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