

Converting Colors

XYZ(42.4157, 38.3066, 16.9627)

Have a look what the booklet for
XYZ(42.4157, 38.3066, 16.9627)
contains.

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Color

**XYZ(42.3938, 38.2628,
16.9554)**

Conversions

Conversions Part 1

Format	Color
Hex	DA9863
RGB	218, 152, 99
RGB Percent	85%, 60%, 39%
CMY	0.1451, 0.4039, 0.6118
CMYK	0.00, 0.30, 0.55, 0.15
HSL	27°, 62%, 62%
HSV	27°, 55%, 85%
XYZ	42.3938, 38.2628, 16.9554
YIQ	165.6920, 56.3490, -2.4910

Conversions

Conversions Part 2

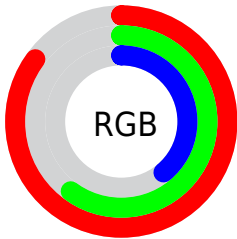
Format	Color
R _Y B	218, 195, 99
Decimal	14325859
CIE Lab	68.21, 19.03, 37.60
CIE LCh	68, 42.140, 63.148
Yxy	38.2628, 0.4343, 0.3920
Android (android.graphics.Color)	4292515939 (0xFFDA9863)
YUV	165.6920, -32.8792, 45.8741
Hunter-Lab	61.8569, 14.0858, 27.0481

Details

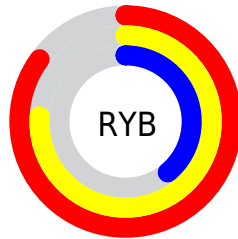
The XYZ color **42.3938, 38.2628, 16.9554** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.2548, 34.6231, 71.3649**, and the grayscale version is **36.2323, 38.1192, 41.5118**.

A 20% lighter version of the original color is **68.8972, 67.6370, 38.7021**, and **19.7484, 17.0200, 5.3763** is the 20% darker color. If you saturate the color by 10%, you get **39.6258, 34.1758, 11.5666**, and if you desaturate by 10%, it is **45.6449, 42.8662, 23.8936**.

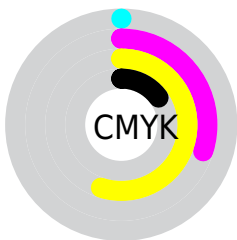
Distribution



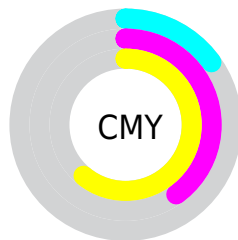
- Red (85%)
- Green (60%)
- Blue (39%)



- Red (85%)
- Yellow (76%)
- Blue (39%)



- Cyan (0%)
- Magenta (30%)
- Yellow (55%)
- Black (15%)





- Cyan (15%)
- Magenta (40%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3938, 38.2628, 16.9554 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 42.3938, 38.2628, 16.9554 by changing the saturation by 10% instead.


 42.3938, 38.2628,
16.9554


 42.3938, 38.2628,
16.9554


347.0767,
338.7460, 246.9505

 29.6022, 26.1867,
10.0411


 78.0567, 72.5108,
39.0387


 19.6834, 16.9634,
5.3202


 101.6588, 95.4514,
55.0447

 12.2721, 10.2084,
2.3744


 129.5950,
122.7824, 74.9184

 7.0028, 5.5373,
0.7724

 162.2308,
154.8881, 99.0783

 3.5102, 2.5659,
0.0000

199.9315,
192.1529, 127.9429

 1.4289, 0.9095,
0.0000

243.0625,

 0.2767, 0.0000,

234.9613, 161.9307

0.0000

291.9891,
283.6975, 201.4604

■ 0.0000, 0.0000,
0.0000

■ 42.3938, 38.2628,
16.9554

■ 42.3938, 38.2628,
16.9554

■ 39.6258, 34.1758,
11.5666

■ 45.6449, 42.8662,
23.8936

■ 37.3091, 30.5782,
7.6009

■ 49.4028, 47.9999,
32.4897

■ 35.4114, 27.4488,
4.9152

■ 53.6925, 53.6844,
42.8445

■ 33.8933, 24.7612,
3.3345

■ 58.5365, 59.9369,
55.0504

■ 33.1974, 23.4737,
2.7812

■ 63.9559, 66.7741,
69.1932

■ 69.9705, 74.2118,
85.3531

■ 76.5992, 82.2651,
103.6060

■ 80.7537, 89.7061,
107.6666

■ 82.7233, 93.6453,
108.3231

Harmonies

Analogous

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



48.0363, 38.2628, 24.8080



42.3938, 38.2628, 16.9554



35.6765, 38.2628, 14.9245

Triad

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



42.3938, 38.2628, 16.9554



25.1302, 38.2628, 43.6858



43.7424, 38.2628, 80.0100

Complementary

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



42.3938, 38.2628, 16.9554



31.2548, 34.6231, 71.3649

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.



37.0677, 38.2628, 89.3906



42.3938, 38.2628, 16.9554



26.7604, 38.2628, 64.8108

Square

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



42.3938, 38.2628, 16.9554



26.1975, 38.2628, 27.3313



30.9415, 38.2628, 83.1276



48.8786, 38.2628, 60.2877

Rectangle

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



42.3938, 38.2628, 16.9554



31.6123, 38.2628, 16.4171



30.9415, 38.2628, 83.1276



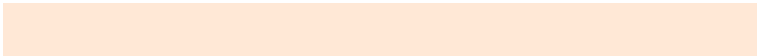
41.5774, 38.2628, 84.7077

Sweetspot

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



42.3947, 38.2647, 16.9561



82.3650, 84.0489, 75.6343



40.2981, 26.5984, 39.2954



17.3138, 17.5847, 15.3861



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.



42.3947, 38.2647, 16.9561



55.8095, 47.6660, 15.2117



54.2284, 61.9321, 20.9007



13.5311, 14.0015, 13.7150



19.9926, 14.2708, 1.7008



1.3803, 1.0947, 0.1385

Inverse Universe

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



31.2548, 34.6231, 71.3649



38.2809, 41.8885, 100.6754



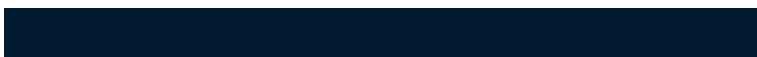
23.0515, 18.2164, 68.6305



12.9345, 13.8086, 16.6358



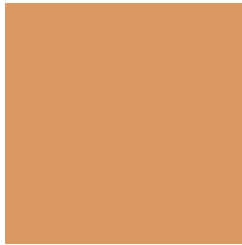
11.7794, 11.4282, 41.3234



0.8486, 0.9113, 2.7056

Previews

White Background



This preview shows how the XYZ color 42.3938, 38.2628, 16.9554 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 42.3938, 38.2628, 16.9554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

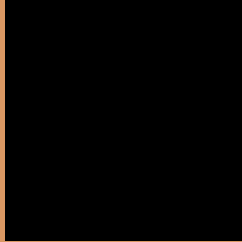
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3938, 38.2628, 16.9554

Background



This preview shows how black text looks on a background with the XYZ color 42.3938, 38.2628, 16.9554.



This preview shows how white text looks on a background with the XYZ color 42.3938, 38.2628,

16.9554.

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

42.3938, 38.2628, 16.9554

Protanopia

35.6599, 38.6024, 18.9361

Deuteranopia

39.2313, 38.3746, 16.8946



Tritanopia

46.5576, 38.3391, 36.3988

Trichromacy



Original Color

42.3938, 38.2628, 16.9554

Protanomaly

37.8742, 38.4220, 18.2520

Deuteranomaly

40.1055, 38.0687, 16.7895

Tritanomaly

44.7819, 38.3012, 27.9543

Monochromacy



Original Color

42.3938, 38.2628, 16.9554

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.6349, 37.7570, 30.8954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3938, 38.2628, 16.9554 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(218, 152, 99)` looks like.

```
.text, #text, p{  
    color:rgb(218, 152, 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(218, 152, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 152, 99) }
```

Border

The CSS property to change the border of an element to XYZ 42.3938, 38.2628, 16.9554 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(218, 152, 99) }
```


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

```
.border{ border-color:rgb(218, 152, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 152, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 152, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 152, 99);  
box-shadow:4px 4px 4px 4px rgb(218, 152,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3938, 38.2628, 16.9554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 152, 99) }
```

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

```
.background{ background-color: rgb(218,  
152, 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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