

Converting Colors

XYZ(42.7998, 40.3523, 18.8978)

Have a look what the booklet for
XYZ(42.7998, 40.3523, 18.8978)
contains.

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Color

**XYZ(42.8522, 40.4577,
18.9152)**

Conversions

Conversions Part 1

Format	Color
Hex	D6A069
RGB	214, 160, 105
RGB Percent	84%, 63%, 41%
CMY	0.1608, 0.3725, 0.5882
CMYK	0.00, 0.25, 0.51, 0.16
HSL	30°, 57%, 63%
HSV	30°, 51%, 84%
XYZ	42.8522, 40.4577, 18.9152
YIQ	169.8760, 49.8390, -5.6570

Conversions

Conversions Part 2

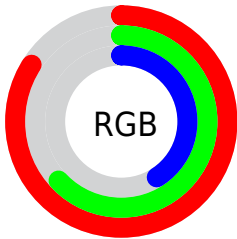
Format	Color
R _Y B	212, 214, 105
Decimal	14065769
CIE Lab	69.79, 13.59, 36.33
CIE LCh	70, 38.786, 69.483
Yxy	40.4577, 0.4192, 0.3958
Android (android.graphics.Color)	4292255849 (0xFFD6A069)
YUV	169.8760, -31.9839, 38.6967
Hunter-Lab	63.6064, 8.9460, 26.8929

Details

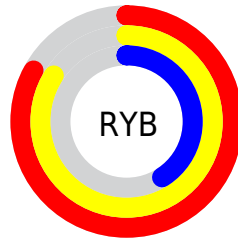
The XYZ color **42.8522, 40.4577, 18.9152** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.3609, 32.6533, 68.3207**, and the grayscale version is **38.2845, 40.2783, 43.8631**.

A 20% lighter version of the original color is **71.6262, 72.2952, 42.0775**, and **20.0871, 18.3909, 6.2325** is the 20% darker color. If you saturate the color by 10%, you get **40.1278, 36.5532, 13.2465**, and if you desaturate by 10%, it is **46.0121, 44.7903, 26.0952**.

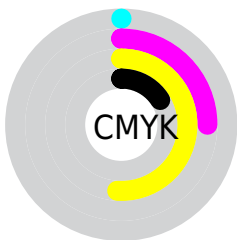
Distribution



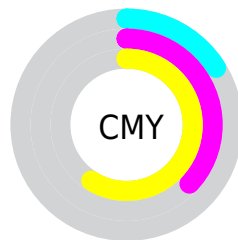
- Red (84%)
- Green (63%)
- Blue (41%)



- Red (83%)
- Yellow (84%)
- Blue (41%)



- Cyan (0%)
- Magenta (25%)
- Yellow (51%)
- Black (16%)



- Cyan (16%)
- Magenta (37%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8522, 40.4577, 18.9152 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 42.8522, 40.4577, 18.9152 by changing the saturation by 10% instead.

42.8522, 40.4577,
18.9152

42.8522, 40.4577,
18.9152

348.9354,
348.0490, 258.3873

29.9632, 27.8956,
11.4328

78.7449, 75.8600,
42.4255

19.9586, 18.2470,
6.2409

102.4793, 99.4689,
59.2906

12.4730, 11.1274,
2.9210

130.5595,
127.5290, 80.1203

7.1412, 6.1526,
1.0544

163.3509,
160.4245, 105.3332

3.5977, 2.9381,
0.0000

201.2188,
198.5398, 135.3478

1.4771, 1.0995,
0.0000

244.5286,

0.3102, 0.0000,

242.2594, 170.5826

0.0000

293.6457,
291.9677, 211.4563

■ 0.0000, 0.0000,
0.0000

■ 42.8522, 40.4577,
18.9152

■ 42.8522, 40.4577,
18.9152

■ 40.1278, 36.5532,
13.2465

■ 46.0121, 44.7903,
26.0952

■ 37.8108, 33.0547,
8.9739

■ 49.6272, 49.5601,
34.8852

■ 35.8740, 29.9462,
5.9692

■ 53.7195, 54.7834,
45.3785

■ 34.2842, 27.2079,
4.0789

■ 58.3083, 60.4735,
57.6601

■ 33.0931, 25.0194,
3.0850

■ 63.4121, 66.6432,
71.8098

■ 69.0481, 73.3047,
87.9020

■ 75.2327, 80.4696,
106.0075

■ 78.3772, 86.7076,
107.2131

■ 81.5415, 93.0361,
108.2678

Harmonies

Analogous

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



48.5686, 40.4577, 25.4875



42.8522, 40.4577, 18.9152



36.4946, 40.4577, 17.9506

Triad

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



42.8522, 40.4577, 18.9152



27.7118, 40.4577, 50.0110



46.6718, 40.4577, 76.5735

Complementary

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



42.8522, 40.4577, 18.9152



30.3609, 32.6533, 68.3207

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.



40.4820, 40.4577, 87.8309



42.8522, 40.4577, 18.9152



29.8510, 40.4577, 69.9627

Square

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



42.8522, 40.4577, 18.9152



28.1986, 40.4577, 32.9887



34.3672, 40.4577, 85.1275



50.9353, 40.4577, 57.3465

Rectangle

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



42.8522, 40.4577, 18.9152



32.8010, 40.4577, 20.2484



34.3672, 40.4577, 85.1275



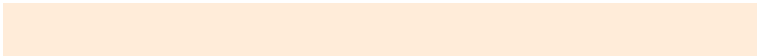
44.7215, 40.4577, 81.6246

Sweetspot

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



42.8532, 40.4597, 18.9160



83.7424, 86.2777, 77.7148



39.0848, 26.9203, 36.1653



17.6143, 18.0823, 15.8055



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.



42.8532, 40.4597, 18.9160



59.4233, 53.9886, 19.2064



54.3279, 63.4091, 22.7409



12.9360, 13.4462, 13.0743



20.1070, 15.3313, 1.8995



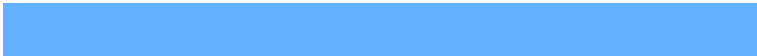
1.2955, 1.0903, 0.1422

Inverse Universe

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



30.3609, 32.6533, 68.3207



38.8693, 41.1469, 100.5013



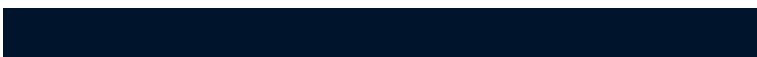
23.0153, 17.9619, 65.8721



12.2456, 13.0146, 15.8042



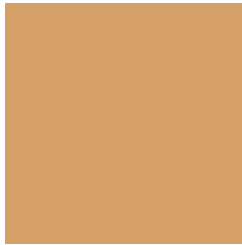
10.5561, 9.3740, 39.7062



0.7195, 0.7309, 2.4225

Previews

White Background



This preview shows how the XYZ color 42.8522, 40.4577, 18.9152 looks on a white background.

Color Contrast Check

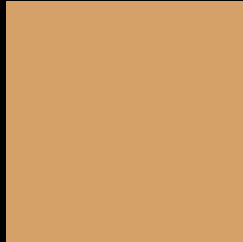
Large Text (above 18pt) WCAG AA × Fail

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 42.8522, 40.4577, 18.9152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

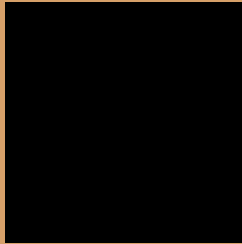
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8522, 40.4577, 18.9152

Background



This preview shows how black text looks on a background with the XYZ color 42.8522, 40.4577, 18.9152.



This preview shows how white text looks on a background with the XYZ color 42.8522, 40.4577,

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

42.8522, 40.4577, 18.9152

Protanopia

37.5729, 40.6691, 20.3376

Deuteranopia

41.3280, 40.4593, 18.7279



Tritanopia

47.3055, 40.5229, 40.4504

Trichromacy



Original Color

42.8522, 40.4577, 18.9152

Protanomaly

39.2904, 40.4559, 19.9253

Deuteranomaly

41.9974, 40.5418, 18.7085

Tritanomaly

45.4617, 40.5118, 31.4101

Monochromacy



Original Color

42.8522, 40.4577, 18.9152

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

39.0742, 39.7869, 32.8143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8522, 40.4577, 18.9152 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(214, 160, 105) looks like.

```
.text, #text, p{  
    color:rgb(214, 160, 105)  
}
```

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(214, 160, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 160, 105) }
```

Border

The CSS property to change the border of an element to XYZ 42.8522, 40.4577, 18.9152 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(214, 160, 105) }
```


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

```
.border{ border-color:rgb(214, 160, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 160, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 160, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 160, 105);  
box-shadow:4px 4px 4px 4px rgb(214, 160,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8522, 40.4577, 18.9152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 160, 105) }
```

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

```
.background{ background-color: rgb(214,  
160, 105) }
```

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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