

Converting Colors

XYZ(42.9018, 40.0637, 14.7044)

Have a look what the booklet for
XYZ(42.9018, 40.0637, 14.7044)
contains.

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Color

**XYZ(42.9018, 40.0637,
14.7044)**

Conversions

Conversions Part 1

Format	Color
Hex	DA9E58
RGB	218, 158, 88
RGB Percent	85%, 62%, 35%
CMY	0.1451, 0.3804, 0.6549
CMYK	0.00, 0.28, 0.60, 0.15
HSL	32°, 64%, 60%
HSV	32°, 60%, 85%
XYZ	42.9018, 40.0637, 14.7044
YIQ	167.9600, 58.2300, -9.0500

Conversions

Conversions Part 2

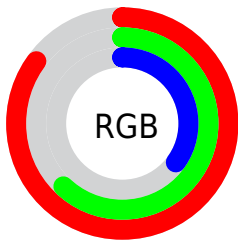
Format	Color
R _{YB}	199, 218, 88
Decimal	14327384
CIE Lab	69.51, 14.95, 44.83
CIE LCh	70, 47.255, 71.562
Yxy	40.0637, 0.4393, 0.4102
Android (android.graphics.Color)	4292517464 (0xFFDA9E58)
YUV	167.9600, -39.4203, 43.8851
Hunter-Lab	63.2959, 10.2190, 30.5333

Details

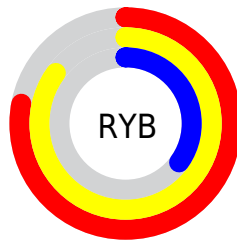
The XYZ color **42.9018, 40.0637, 14.7044** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **27.2688, 28.3153, 70.3577**, and the grayscale version is **37.3681, 39.3141, 42.8131**.

A 20% lighter version of the original color is **69.7679, 70.7419, 34.7883**, and **20.1211, 18.1355, 4.3595** is the 20% darker color. If you saturate the color by 10%, you get **40.4840, 36.4637, 10.0900**, and if you desaturate by 10%, it is **45.7320, 44.0567, 20.7888**.

Distribution



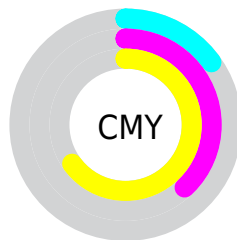
- Red (85%)
- Green (62%)
- Blue (35%)



- Red (78%)
- Yellow (85%)
- Blue (35%)



- Cyan (0%)
- Magenta (28%)
- Yellow (60%)
- Black (15%)





- Cyan (15%)
- Magenta (38%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9018, 40.0637, 14.7044 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 42.9018, 40.0637, 14.7044 by changing the saturation by 10% instead.


 42.9018, 40.0637,
14.7044


 42.9018, 40.0637,
14.7044


349.1361,
346.3920, 233.1488


 30.0023, 27.5882,
8.4679


 78.8193, 75.2605,
35.0687


 19.9884, 18.0155,
4.3037


 102.5679, 98.7506,
50.0336


 12.4948, 10.9611,
1.7934


 130.6637,
126.6810, 68.7450

 7.1562, 6.0407,
0.4236

 163.4719,
159.4362, 91.6214

 3.6072, 2.8698,
0.0000

 201.3579,
197.4005, 119.0815

 1.4824, 1.0642,
0.0000

244.6870,

 0.3138, 0.0000,

240.9583, 151.5437

0.0000

293.8246,
290.4940, 189.4267

■ 0.0000, 0.0000,
0.0000

■ 42.9018, 40.0637,
14.7044

■ 42.9018, 40.0637,
14.7044

■ 40.4840, 36.4637,
10.0900

■ 45.7320, 44.0567,
20.7888

■ 38.4475, 33.2341,
6.8111

■ 48.9967, 48.4519,
28.4570

■ 36.7603, 30.3580,
4.7121

■ 52.7198, 53.2654,
37.8139

■ 35.3683, 27.8082,
3.5264

■ 56.9220, 58.5104,
48.9550

■ 35.3205, 27.7197,
3.4888

■ 61.6230, 64.1994,
61.9683

■ 66.8409, 70.3443,
76.9361

■ 72.5932, 76.9565,
93.9356

■ 77.6812, 83.5610,
106.6424

■ 80.7008, 89.6002,
107.6489

Harmonies

Analogous

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



50.1224, 40.0637, 21.2936



42.9018, 40.0637, 14.7044



35.2188, 40.0637, 14.0827

Triad

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



42.9018, 40.0637, 14.7044



25.4578, 40.0637, 52.5805



48.6453, 40.0637, 83.1342

Complementary

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



42.9018, 40.0637, 14.7044



27.2688, 28.3153, 70.3577

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.



41.0907, 40.0637, 98.9683



42.9018, 40.0637, 14.7044



28.1386, 40.0637, 77.7849

Square

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



42.9018, 40.0637, 14.7044



25.8070, 40.0637, 31.6559



33.6325, 40.0637, 96.7370



53.7312, 40.0637, 58.2787

Rectangle

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



42.9018, 40.0637, 14.7044



30.9166, 40.0637, 16.7552



33.6325, 40.0637, 96.7370



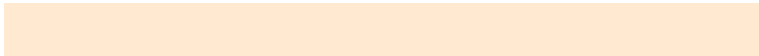
46.2709, 40.0637, 90.0100

Sweetspot

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



42.9027, 40.0657, 14.7052



82.1318, 84.6100, 72.3891



37.8016, 24.0445, 30.9435



17.1809, 17.6202, 14.4130



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.



42.9027, 40.0657, 14.7052



56.8153, 50.5703, 12.7953



54.4672, 65.0933, 18.9265



13.6339, 14.2072, 13.7493



21.2696, 16.8247, 2.1265



1.4638, 1.2617, 0.1664

Inverse Universe

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



27.2688, 28.3153, 70.3577



32.5885, 32.3959, 99.1432



20.5919, 14.3343, 68.0110



12.8314, 13.6026, 16.6014



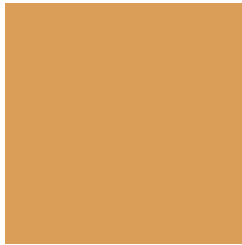
10.4520, 8.7735, 40.8810



0.7627, 0.7395, 2.6770

Previews

White Background



This preview shows how the XYZ color 42.9018, 40.0637, 14.7044 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 42.9018, 40.0637, 14.7044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

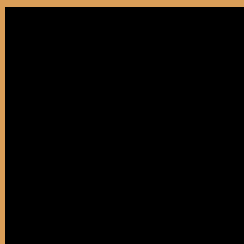
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.9018, 40.0637, 14.7044

Background



This preview shows how black text looks on a background with the XYZ color 42.9018, 40.0637, 14.7044.



This preview shows how white text looks on a background with the XYZ color 42.9018, 40.0637,

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

42.9018, 40.0637, 14.7044

Protanopia

36.8000, 40.0870, 15.9232

Deuteranopia

40.9351, 40.0841, 14.5963



Tritanopia

48.0798, 40.2332, 38.9499

Trichromacy



Original Color

42.9018, 40.0637, 14.7044

Protanomaly

38.8132, 40.0335, 15.5791

Deuteranomaly

41.6165, 40.1749, 14.5779

Tritanomaly

45.8185, 40.0333, 27.8666

Monochromacy



Original Color

42.9018, 40.0637, 14.7044

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.1854, 38.8541, 29.9131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9018, 40.0637, 14.7044 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, 158, 88)` looks like.

```
.text, #text, p{  
    color:rgb(218, 158, 88)  
}
```

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, 158, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 158, 88) }
```

Border

The CSS property to change the border of an element to XYZ 42.9018, 40.0637, 14.7044 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, 158, 88) }
```


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

```
.border{ border-color:rgb(218, 158, 88) }
```

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

Here you see how a box with a 4 pixel rgb(218, 158, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 158, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 158, 88);  
box-shadow:4px 4px 4px 4px rgb(218, 158,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9018, 40.0637, 14.7044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 158, 88) }
```

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

```
.background{ background-color: rgb(218,  
158, 88) }
```

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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