

Converting Colors

XYZ(42.0970, 37.6865, 14.1196)

Have a look what the booklet for
XYZ(42.0970, 37.6865, 14.1196)
contains.

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Color

**XYZ(42.1418, 37.7165,
14.0757)**

Conversions

Conversions Part 1

Format	Color
Hex	DC9657
RGB	220, 150, 87
RGB Percent	86%, 59%, 34%
CMY	0.1373, 0.4117, 0.6588
CMYK	0.00, 0.32, 0.60, 0.14
HSL	28°, 66%, 60%
HSV	28°, 60%, 86%
XYZ	42.1418, 37.7165, 14.0757
YIQ	163.7480, 61.9430, -4.7530

Conversions

Conversions Part 2

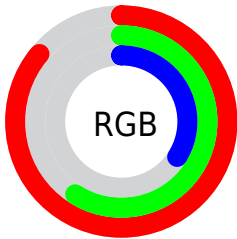
Format	Color
R _Y B	220, 207, 87
Decimal	14456407
CIE Lab	67.81, 20.01, 43.38
CIE LCh	68, 47.769, 65.234
Yxy	37.7165, 0.4486, 0.4015
Android (android.graphics.Color)	4292646487 (0xFFDC9657)
YUV	163.7480, -37.8368, 49.3330
Hunter-Lab	61.4138, 15.0117, 29.4007

Details

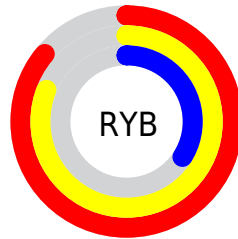
The XYZ color **42.1418, 37.7165, 14.0757** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **28.9049, 31.3057, 72.2288**, and the grayscale version is **35.3212, 37.1607, 40.4680**.

A 20% lighter version of the original color is **67.4203, 66.2807, 33.2848**, and **19.5096, 16.6407, 4.0174** is the 20% darker color. If you saturate the color by 10%, you get **39.6192, 33.8973, 9.4560**, and if you desaturate by 10%, it is **45.1226, 42.0141, 20.1998**.

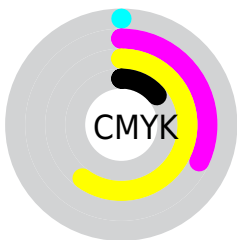
Distribution



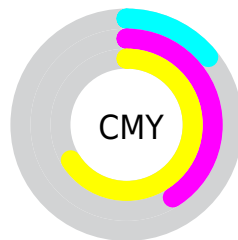
- Red (86%)
- Green (59%)
- Blue (34%)



- Red (86%)
- Yellow (81%)
- Blue (34%)



- Cyan (0%)
- Magenta (32%)
- Yellow (60%)
- Black (14%)





- Cyan (14%)
- Magenta (41%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1418, 37.7165, 14.0757 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 42.1418, 37.7165, 14.0757 by changing the saturation by 10% instead.


 42.1418, 37.7165,
14.0757


 42.1418, 37.7165,
14.0757


346.0520,
336.4023, 229.1460


 29.4039, 25.7627,
8.0340


 77.6780, 71.6734,
33.9423


 19.5324, 16.6462,
4.0286


 101.2071, 94.4453,
48.6044


 12.1619, 9.9826,
1.6411


 129.0639,
121.5921, 66.9769

 6.9270, 5.3874,
0.3199

 161.6138,
153.4981, 89.4784

 3.4624, 2.4763,
0.0000

 199.2223,
190.5477, 116.5276

 1.4028, 0.8647,
0.0000

242.2546,

 0.2582, 0.0000,

233.1253, 148.5429

0.0000

291.0760,
281.6154, 185.9429

■ 0.0000, 0.0000,
0.0000

■ 42.1418, 37.7165,
14.0757

■ 42.1418, 37.7165,
14.0757

■ 39.6192, 33.8973,
9.4560

■ 45.1226, 42.0141,
20.1998

■ 37.5211, 30.5301,
6.2010

■ 48.5865, 46.8037,
27.9465

■ 35.8122, 27.5934,
4.1481

■ 52.5595, 52.1048,
37.4247

■ 34.4874, 25.1604,
3.0388

■ 57.0647, 57.9343,
48.7330

■ 62.1237, 64.3079,
61.9625

■ 67.7567, 71.2408,
77.1984

■ 73.9828, 78.7474,
94.5205

■ 79.5049, 86.3154,
107.0779

■ 83.0728, 93.4512,
108.2672

Harmonies

Analogous

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



48.7637, 37.7165, 21.7671



42.1418, 37.7165, 14.0757



34.5668, 37.7165, 12.3959

Triad

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



42.1418, 37.7165, 14.0757



23.4699, 37.7165, 44.8950



44.6943, 37.7165, 84.1237

Complementary

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



42.1418, 37.7165, 14.0757



28.9049, 31.3057, 72.2288

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.



37.1613, 37.7165, 96.4404



42.1418, 37.7165, 14.0757



25.4422, 37.7165, 69.3286

Square

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



42.1418, 37.7165, 14.0757



24.4240, 37.7165, 26.2592



30.2150, 37.7165, 90.2592



50.3736, 37.7165, 60.5999

Rectangle

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



42.1418, 37.7165, 14.0757



30.1213, 37.7165, 14.1446



30.2150, 37.7165, 90.2592



42.2590, 37.7165, 90.0221

Sweetspot

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



42.1427, 37.7184, 14.0764



81.2933, 82.9330, 72.1096



39.0892, 24.4985, 34.9863



16.9767, 17.2119, 14.3449



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.



42.1427, 37.7184, 14.0764



54.3723, 45.8134, 11.5830



55.6801, 64.7933, 18.5889



13.5622, 14.0638, 13.7254



20.3504, 14.9863, 1.8201



1.4043, 1.1426, 0.1465

Inverse Universe

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



28.9049, 31.3057, 72.2288



34.2786, 36.0496, 99.7593



20.6272, 14.7504, 69.4695



12.9030, 13.7457, 16.6253



11.3446, 10.5586, 41.1785



0.8210, 0.8562, 2.6964

Previews

White Background



This preview shows how the XYZ color 42.1418, 37.7165, 14.0757 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 42.1418, 37.7165, 14.0757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

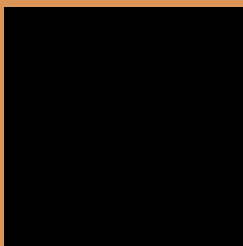
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1418, 37.7165, 14.0757

Background



This preview shows how black text looks on a background with the XYZ color 42.1418, 37.7165, 14.0757.



This preview shows how white text looks on a background with the XYZ color 42.1418, 37.7165,

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

42.1418, 37.7165, 14.0757

Protanopia

34.8594, 37.9902, 15.6208

Deuteranopia

38.4952, 37.8061, 13.8627



Tritanopia

46.4741, 37.6535, 34.9554

Trichromacy



Original Color

42.1418, 37.7165, 14.0757

Protanomaly

37.1812, 37.6156, 14.9737

Deuteranomaly

39.6956, 37.6699, 13.9829

Tritanomaly

44.5193, 37.5238, 25.6653

Monochromacy



Original Color

42.1418, 37.7165, 14.0757

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.6092, 36.7642, 28.4592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1418, 37.7165, 14.0757 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(220, 150, 87)` looks like.

```
.text, #text, p{  
    color:rgb(220, 150, 87)  
}
```

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(220, 150, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 150, 87) }
```

Border

The CSS property to change the border of an element to XYZ 42.1418, 37.7165, 14.0757 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(220, 150, 87) }
```


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

```
.border{ border-color:rgb(220, 150, 87) }
```

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

Here you see how a box with a 4 pixel rgb(220, 150, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 150, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 150, 87);  
box-shadow:4px 4px 4px 4px rgb(220, 150,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1418, 37.7165, 14.0757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 150, 87) }
```

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

```
.background{ background-color: rgb(220,  
150, 87) }
```

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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