

Converting Colors

XYZ(42.6457, 41.6274, 14.4663)

Have a look what the booklet for
XYZ(42.6457, 41.6274, 14.4663)
contains.

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Color

**XYZ(42.6467, 41.5029,
14.3575)**

Conversions

Conversions Part 1

Format	Color
Hex	D6A455
RGB	214, 164, 85
RGB Percent	84%, 64%, 33%
CMY	0.1608, 0.3568, 0.6667
CMYK	0.00, 0.23, 0.60, 0.16
HSL	37°, 61%, 59%
HSV	37°, 60%, 84%
XYZ	42.6467, 41.5029, 14.3575
YIQ	169.9440, 55.1590, -13.9690

Conversions

Conversions Part 2

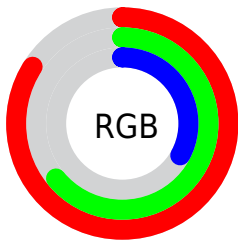
Format	Color
R _Y B	167, 214, 85
Decimal	14066773
CIE Lab	70.53, 9.82, 47.39
CIE LCh	71, 48.394, 78.290
Yxy	41.5029, 0.4329, 0.4213
Android (android.graphics.Color)	4292256853 (0xFFD6A455)
YUV	169.9440, -41.8774, 38.6371
Hunter-Lab	64.4227, 5.4240, 31.8823

Details

The XYZ color **42.6467, 41.5029, 14.3575** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.5475, 24.1133, 66.9786**, and the grayscale version is **38.3644, 40.3623, 43.9545**.

A 20% lighter version of the original color is **71.0869, 73.7292, 34.1514**, and **19.8078, 18.7776, 4.1706** is the 20% darker color. If you saturate the color by 10%, you get **40.4857, 38.3421, 10.0583**, and if you desaturate by 10%, it is **45.1635, 44.9642, 20.0442**.

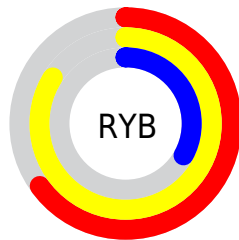
Distribution



Red (84%)

Green (64%)

Blue (33%)



Red (65%)

Yellow (84%)

Blue (33%)

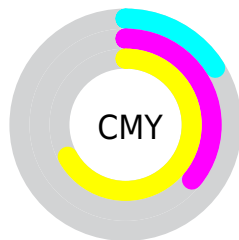


Cyan (0%)

Magenta (23%)

Yellow (60%)

Black (16%)



Cyan (16%)

Magenta (36%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6467, 41.5029, 14.3575 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 42.6467, 41.5029, 14.3575 by changing the saturation by 10% instead.

42.6467, 41.5029,
14.3575

42.6467, 41.5029,
14.3575

348.1030,
352.4181, 230.9489

29.8013, 28.7123,
8.2281

78.4365, 77.4467,
34.4482

19.8352, 18.8633,
4.1514

102.1116,
101.3687, 49.2467

12.3828, 11.5715,
1.7088

130.1274,
129.7699, 67.7720

7.0790, 6.4526,
0.3667

162.8491,
163.0347, 90.4425

3.5583, 3.1222,
0.0000

200.6422,
201.5475, 117.6770

1.4554, 1.1959,
0.0000

243.8719,

0.2952, 0.0583,

245.6928, 149.8938

0.0000

292.9038,
295.8549, 187.5116

■ 0.0000, 0.0000,
0.0000

■ 42.6467, 41.5029,
14.3575

■ 42.6467, 41.5029,
14.3575

■ 40.4857, 38.3421,
10.0583

■ 45.1635, 44.9642,
20.0442

■ 38.6518, 35.4624,
7.0173

■ 48.0560, 48.7319,
27.2273

■ 37.1156, 32.8508,
5.0845

■ 51.3457, 52.8190,
36.0074

■ 35.8561, 30.5454,
4.0060

■ 55.0515, 57.2358,
46.4757

■ 59.1910, 61.9918,
58.7164

■ 63.7807, 67.0964,
72.8081

■ 68.8359, 72.5582,
88.8245

■ 74.1773, 78.3078,
105.8131

■ 76.5453, 83.0439,
106.6024

Harmonies

Analogous

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



50.5719, 41.5029, 19.6681



42.6467, 41.5029, 14.3575



34.8219, 41.5029, 14.9744

Triad

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



42.6467, 41.5029, 14.3575



26.5898, 41.5029, 60.4433



52.0568, 41.5029, 81.2207

Complementary

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



42.6467, 41.5029, 14.3575



24.5475, 24.1133, 66.9786

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.



44.4651, 41.5029, 101.1268



42.6467, 41.5029, 14.3575



30.0869, 41.5029, 86.6116

Square

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



42.6467, 41.5029, 14.3575



26.2407, 41.5029, 36.8386



36.4120, 41.5029, 103.3782



56.4746, 41.5029, 54.7160

Rectangle

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



42.6467, 41.5029, 14.3575



30.6768, 41.5029, 18.7149



36.4120, 41.5029, 103.3782



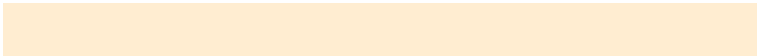
49.7477, 41.5029, 89.2414

Sweetspot

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



42.6477, 41.5049, 14.3583



83.1063, 86.5591, 72.7139



35.4669, 22.5882, 26.0079



17.4189, 18.0963, 14.4923



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.



42.6477, 41.5049, 14.3583



59.4984, 55.9364, 13.6897



49.8005, 61.1802, 17.7790



13.0500, 13.6741, 13.1123



21.7765, 18.6702, 2.4560



1.3927, 1.2845, 0.1745

Inverse Universe

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



24.5475, 24.1133, 66.9786



30.4339, 28.0866, 98.4250



20.4127, 13.9436, 65.2335



12.1333, 12.7901, 15.7668



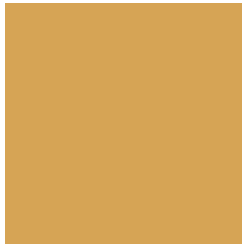
9.2972, 6.8561, 39.2865



0.6399, 0.5717, 2.3959

Previews

White Background



This preview shows how the XYZ color 42.6467, 41.5029, 14.3575 looks on a white background.

Color Contrast Check

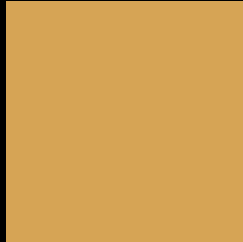
Large Text (above 18pt) WCAG AA × Fail

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 42.6467, 41.5029, 14.3575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

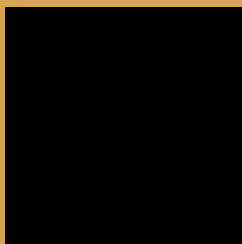
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6467, 41.5029, 14.3575

Background



This preview shows how black text looks on a background with the XYZ color 42.6467, 41.5029, 14.3575.



This preview shows how white text looks on a background with the XYZ color 42.6467, 41.5029,

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

42.6467, 41.5029, 14.3575

Protanopia

38.1909, 41.6681, 15.2624

Deuteranopia

42.5354, 41.7123, 14.4037



Tritanopia

48.2116, 41.4484, 42.0185

Trichromacy



Original Color

42.6467, 41.5029, 14.3575

Protanomaly

39.6482, 41.5797, 14.9528

Deuteranomaly

42.5354, 41.7123, 14.4037

Tritanomaly

45.6557, 41.1653, 29.2063

Monochromacy



Original Color

42.6467, 41.5029, 14.3575

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.9125, 40.3084, 30.1555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6467, 41.5029, 14.3575 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, 164, 85)` looks like.

```
.text, #text, p{  
    color:rgb(214, 164, 85)  
}
```

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, 164, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 164, 85) }
```

Border

The CSS property to change the border of an element to XYZ 42.6467, 41.5029, 14.3575 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, 164, 85) }
```


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

```
.border{ border-color:rgb(214, 164, 85) }
```

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

Here you see how a box with a 4 pixel rgb(214, 164, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 164, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 164, 85);  
box-shadow:4px 4px 4px 4px rgb(214, 164,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6467, 41.5029, 14.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 164, 85) }
```

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

```
.background{ background-color: rgb(214,  
164, 85) }
```

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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