

Converting Colors

XYZ(42.8919, 41.8389, 12.2504)

Have a look what the booklet for
XYZ(42.8919, 41.8389, 12.2504)
contains.

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Color

**XYZ(43.0101, 42.0036,
12.3192)**

Conversions

Conversions Part 1

Format	Color
Hex	D8A54A
RGB	216, 165, 74
RGB Percent	85%, 65%, 29%
CMY	0.1529, 0.3529, 0.7098
CMYK	0.00, 0.24, 0.66, 0.15
HSL	38°, 65%, 57%
HSV	38°, 66%, 85%
XYZ	43.0101, 42.0036, 12.3192
YIQ	169.8750, 59.6070, -17.4890

Conversions

Conversions Part 2

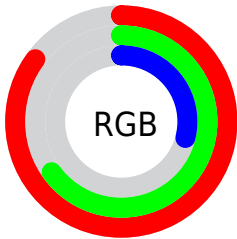
Format	Color
RYB	154, 216, 74
Decimal	14198090
CIELab	70.87, 9.41, 53.05
CIELCh	71, 53.878, 79.939
Yxy	42.0036, 0.4419, 0.4315
Android (android.graphics.Color)	4292388170 (0xFFD8A54A)
YUV	169.8750, -47.2664, 40.4516
Hunter-Lab	64.8102, 5.0405, 34.0972

Details

The XYZ color **43.0101, 42.0036, 12.3192** 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 **22.5520, 21.0802, 67.8457**, and the grayscale version is **38.3544, 40.3519, 43.9432**.

A 20% lighter version of the original color is **70.5991, 73.9528, 30.2920**, and **19.9360, 19.0289, 3.2840** is the 20% darker color. If you saturate the color by 10%, you get **41.0468, 39.0487, 8.6703**, and if you desaturate by 10%, it is **45.3100, 45.2323, 17.3133**.

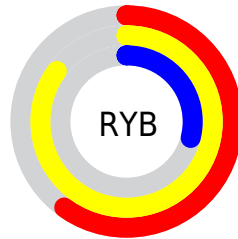
Distribution



Red (85%)

Green (65%)

Blue (29%)



Red (60%)

Yellow (85%)

Blue (29%)

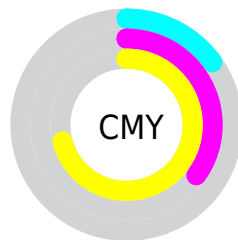


Cyan (0%)

Magenta (24%)

Yellow (66%)

Black (15%)



Cyan (15%)

Magenta (35%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0101, 42.0036, 12.3192 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 43.0101, 42.0036, 12.3192 by changing the saturation by 10% instead.

43.0101, 42.0036,
12.3192

43.0101, 42.0036,
12.3192

349.5741,
354.4979, 217.5596

30.0876, 29.1041,
6.8363

78.9817, 78.2051,
30.7482

20.0535, 19.1596,
3.2830

102.7615,
102.2758, 44.5313

12.5424, 11.7857,
1.2409

130.8912,
130.8392, 61.9183

7.1890, 6.5979,
0.0126

163.7360,
164.2794, 83.3277

3.6280, 3.2119,
0.0000

201.6613,
202.9810, 109.1779

1.4939, 1.2434,
0.0000

245.0326,

0.3217, 0.0967,

247.3284, 139.8876

0.0000

294.2150,
297.7059, 175.8753

■ 0.0000, 0.0000,
0.0000

■ 43.0101, 42.0036,
12.3192

■ 43.0101, 42.0036,
12.3192

■ 41.0468, 39.0487,
8.6703

■ 45.3100, 45.2323,
17.3133

■ 39.3889, 36.3476,
6.2225

■ 47.9680, 48.7407,
23.7719

■ 38.0028, 33.8862,
4.8020

■ 51.0069, 52.5419,
31.8038

■ 37.4691, 32.8994,
4.3754

■ 54.4467, 56.6461,
41.5068

■ 58.3057, 61.0626,
52.9706

■ 62.6008, 65.8005,
66.2784

■ 67.3481, 70.8682,
81.5083

■ 72.5627, 76.2739,
98.7338

■ 76.0252, 81.1316,
106.2608

Harmonies

Analogous

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



52.0732, 42.0036, 17.4064



43.0101, 42.0036, 12.3192



34.3301, 42.0036, 13.2595

Triad

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



43.0101, 42.0036, 12.3192



25.8156, 42.0036, 64.7141



54.6183, 42.0036, 85.4207

Complementary

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



43.0101, 42.0036, 12.3192



22.5520, 21.0802, 67.8457

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.



46.0929, 42.0036, 109.5873



43.0101, 42.0036, 12.3192



29.8273, 42.0036, 94.8617

Square

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



43.0101, 42.0036, 12.3192



25.2456, 42.0036, 37.6431



36.9876, 42.0036, 113.5730



59.4085, 42.0036, 54.9102

Rectangle

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



43.0101, 42.0036, 12.3192



29.8506, 42.0036, 17.3708



36.9876, 42.0036, 113.5730



52.0395, 42.0036, 94.9722

Sweetspot

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



43.0111, 42.0057, 12.3200



82.3321, 86.0057, 69.3881



34.5380, 21.0049, 21.9958



17.2845, 18.0206, 13.8522



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.



43.0111, 42.0057, 12.3200



58.7578, 55.2471, 11.0018



48.8353, 61.4853, 15.7730



13.0803, 13.7348, 13.1224



22.2835, 19.6842, 2.6250



1.4211, 1.3414, 0.1840

Inverse Universe

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



22.5520, 21.0802, 67.8457



26.9947, 22.8866, 97.6025



19.3513, 12.1796, 66.2964



12.1040, 12.7314, 15.7570



9.0242, 6.3101, 39.1955



0.6215, 0.5349, 2.3898

Previews

White Background



This preview shows how the XYZ color 43.0101, 42.0036, 12.3192 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 43.0101, 42.0036, 12.3192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

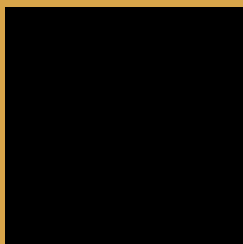
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.0101, 42.0036, 12.3192

Background



This preview shows how black text looks on a background with the XYZ color 43.0101, 42.0036, 12.3192.



This preview shows how white text looks on a background with the XYZ color 43.0101, 42.0036,

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

43.0101, 42.0036, 12.3192

Protanopia

38.4679, 42.1454, 13.1286

Deuteranopia

43.0101, 42.0036, 12.3192



Tritanopia

49.1278, 41.9207, 42.0614

Trichromacy



Original Color

43.0101, 42.0036, 12.3192

Protanomaly

39.9548, 42.0651, 12.8510

Deuteranomaly

43.0101, 42.0036, 12.3192

Tritanomaly

46.1470, 41.7054, 27.8080

Monochromacy



Original Color

43.0101, 42.0036, 12.3192

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.8693, 40.3193, 28.6554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.0101, 42.0036, 12.3192 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(216, 165, 74)` looks like.

```
.text, #text, p{  
    color:rgb(216, 165, 74)  
}
```

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(216, 165, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 165, 74) }
```

Border

The CSS property to change the border of an element to XYZ 43.0101, 42.0036, 12.3192 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(216, 165, 74) }
```


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

```
.border{ border-color:rgb(216, 165, 74) }
```

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

Here you see how a box with a 4 pixel rgb(216, 165, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 165, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 165, 74);  
box-shadow:4px 4px 4px 4px rgb(216, 165,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 43.0101, 42.0036, 12.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 165, 74) }
```

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

```
.background{ background-color: rgb(216,  
165, 74) }
```

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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