

# Converting Colors

XYZ(42.7941, 44.3128, 10.0484)

Have a look what the booklet for  
XYZ(42.7941, 44.3128, 10.0484)  
contains.

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# **Color**

**XYZ(43.0012, 44.5547,  
10.0749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4AE38
RGB	212, 174, 56
RGB Percent	83%, 68%, 22%
CMY	0.1686, 0.3176, 0.7804
CMYK	0.00, 0.18, 0.74, 0.17
HSL	45°, 64%, 53%
HSV	45°, 74%, 83%
XYZ	43.0012, 44.5547, 10.0749
YIQ	171.9100, 60.5260, -28.6420

# Conversions

## Conversions Part 2

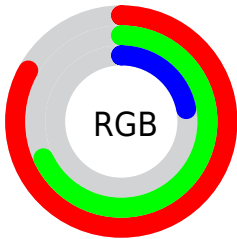
Format	Color
<a href="#">RYB</a>	<a href="#">106, 212, 56</a>
Decimal	<a href="#">13938232</a>
CIELab	<a href="#">72.60, 1.95, 62.29</a>
CIELCh	<a href="#">73, 62.325, 88.204</a>
Yxy	<a href="#">44.5547, 0.4404, 0.4564</a>
Android (android.graphics.Color)	<a href="#">4292128312</a> ( <a href="#">0xFFD4AE38</a> )
YUV	<a href="#">171.9100, -57.1436, 35.1589</a>
Hunter-Lab	<a href="#">66.7493, -1.8181, 37.7755</a>

# Details

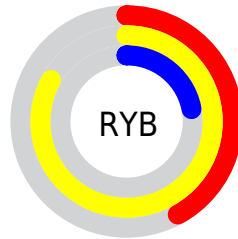
The XYZ color **43.0012, 44.5547, 10.0749** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **17.5171, 13.5992, 63.9884**, and the grayscale version is **39.4268, 41.4801, 45.1718**.

A 20% lighter version of the original color is **72.0738, 78.4244, 26.0906**, and **20.0964, 20.6914, 2.9346** is the 20% darker color. If you saturate the color by 10%, you get **41.6103, 42.4345, 7.5725**, and if you desaturate by 10%, it is **44.6519, 46.8437, 13.7473**.

# Distribution



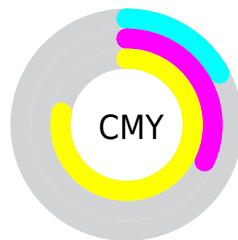
- Red (83%)
- Green (68%)
- Blue (22%)



- Red (42%)
- Yellow (83%)
- Blue (22%)



- Cyan (0%)
- Magenta (18%)
- Yellow (74%)
- Black (17%)



- Cyan (17%)
- Magenta (32%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0012, 44.5547, 10.0749 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 43.0012, 44.5547, 10.0749 by changing the saturation by 10% instead.



43.0012, 44.5547,  
10.0749

43.0012, 44.5547,  
10.0749

349.5381,  
364.9671, 201.7100

30.0806, 31.1068,  
5.3424

78.9684, 82.0518,  
26.5463

20.0481, 20.6802,  
2.3873

102.7456,  
106.8698, 39.1223

12.5385, 12.8904,  
0.7795

130.8725,  
136.2466, 55.1498

7.1863, 7.3532,  
0.0000

163.7143,  
170.5667, 75.0475

3.6263, 3.6839,  
0.0000

201.6364,  
210.2144, 99.2338

1.4930, 1.4984,  
0.0000

245.0042,

0.3210, 0.2876,

255.5741, 128.1273

0.0000

294.1830,  
307.0302, 162.1465

■ 0.0000, 0.0000,  
0.0000

■ 43.0012, 44.5547,  
10.0749

■ 43.0012, 44.5547,  
10.0749

■ 41.6103, 42.4345,  
7.5725

■ 44.6519, 46.8437,  
13.7473

■ 40.4459, 40.4638,  
6.0801

■ 46.5845, 49.3057,  
18.7172

■ 39.7854, 39.2656,  
5.4821

■ 48.8217, 51.9523,  
25.0981

■ 51.3831, 54.7918,  
32.9905

■ 54.2862, 57.8321,  
42.4856

■ 57.5475, 61.0802,  
53.6675

■ 61.1821, 64.5428,  
66.6142

■ 65.2043, 68.2263,  
81.3988

■ 69.6275, 72.1367,  
98.0906

# Harmonies

## Analogous

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



54.2391, 44.5547, 13.5219



43.0012, 44.5547, 10.0749



33.2853, 44.5547, 12.7431

# Triad

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



43.0012, 44.5547, 10.0749



26.5777, 44.5547, 82.3354



62.5277, 44.5547, 87.0085

# Complementary

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



43.0012, 44.5547, 10.0749



17.5171, 13.5992, 63.9884

# 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.



52.9222, 44.5547, 121.9146



43.0012, 44.5547, 10.0749



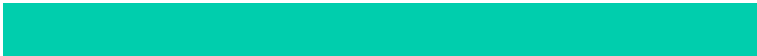
32.3356, 44.5547, 118.5061

# Square

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



43.0012, 44.5547, 10.0749



24.8208, 44.5547, 46.6748



41.7013, 44.5547, 135.3580



66.6360, 44.5547, 50.3979



# Rectangle

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



43.0012, 44.5547, 10.0749



28.6948, 44.5547, 18.7227



41.7013, 44.5547, 135.3580



59.7625, 44.5547, 99.8263

# Sweetspot

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



43.0022, 44.5569, 10.0758



83.0922, 88.4889, 66.6726



30.6312, 17.6519, 12.6199



17.5108, 18.6603, 13.3511



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.



43.0022, 44.5569, 10.0758



62.2167, 62.8261, 10.1163



41.4908, 56.2564, 12.4137



13.2047, 13.9836, 13.1639



24.6437, 24.4046, 3.4117



1.5491, 1.5974, 0.2267



# Inverse Universe

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



17.5171, 13.5992, 63.9884



21.8716, 14.0421, 96.1654



18.0175, 10.0152, 63.2703



11.9858, 12.4950, 15.7176



8.1506, 4.5630, 38.9043



0.5572, 0.4063, 2.3684



# Previews

## White Background



This preview shows how the XYZ color 43.0012, 44.5547, 10.0749 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 43.0012, 44.5547, 10.0749 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 43.0012, 44.5547, 10.0749**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0012, 44.5547, 10.0749.



This preview shows how white text looks on a background with the XYZ color 43.0012, 44.5547,



# 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

43.0012, 44.5547, 10.0749

### Protanopia

40.6780, 44.8150, 10.3771

### Deuteranopia

45.3831, 44.3694, 10.1752



## Tritanopia

50.6538, 44.6617, 46.5083

# Trichromacy



## Original Color

43.0012, 44.5547, 10.0749

## Protanomaly

41.3625, 44.5771, 10.2951

## Deuteranomaly

44.5148, 44.4813, 10.1105

## Tritanomaly

46.8970, 44.2088, 27.8912

# Monochromacy



## Original Color

43.0012, 44.5547, 10.0749

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

39.4664, 42.0636, 27.1581

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0012, 44.5547, 10.0749 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(212, 174, 56)` looks like.

```
.text, #text, p{  
    color:rgb(212, 174, 56)  
}
```

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(212, 174, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 174, 56) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0012, 44.5547, 10.0749 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(212, 174, 56) }
```



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

```
.border{ border-color:rgb(212, 174, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 174, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 174, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 174, 56);  
box-shadow:4px 4px 4px 4px rgb(212, 174,  
56) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0012, 44.5547, 10.0749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 174, 56) }
```

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

```
.background{ background-color: rgb(212,  
174, 56) }
```

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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