

# Converting Colors

XYZ(43.5463, 45.2803, 11.8703)

Have a look what the booklet for  
XYZ(43.5463, 45.2803, 11.8703)  
contains.

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# Color

**XYZ(43.7201, 45.4651,  
11.9402)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4B044
RGB	212, 176, 68
RGB Percent	83%, 69%, 27%
CMY	0.1686, 0.3098, 0.7333
CMYK	0.00, 0.17, 0.68, 0.17
HSL	45°, 63%, 55%
HSV	45°, 68%, 83%
XYZ	43.7201, 45.4651, 11.9402
YIQ	174.4520, 56.1240, -25.9560

# Conversions

## Conversions Part 2

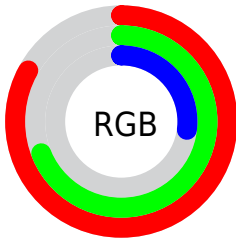
<b>Format</b>	<b>Color</b>
<b>RYB</b>	116, 212, 68
Decimal	13938756
CIELab	73.20, 1.50, 58.06
CIELCh	73, 58.078, 88.523
Yxy	45.4651, 0.4323, 0.4496
Android (android.graphics.Color)	4292128836 (0xFFD4B044)
YUV	174.4520, -52.4808, 32.9296
Hunter-Lab	67.4278, -2.2595, 36.7003

# Details

The XYZ color **43.7201, 45.4651, 11.9402** 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 **19.2177, 15.8825, 64.3397**, and the grayscale version is **40.7075, 42.8275, 46.6391**.

A 20% lighter version of the original color is **73.2671, 79.7923, 29.6290**, and **20.5560, 21.2941, 3.1416** is the 20% darker color. If you saturate the color by 10%, you get **42.1679, 43.2157, 8.7876**, and if you desaturate by 10%, it is **45.5489, 47.8936, 16.3397**.

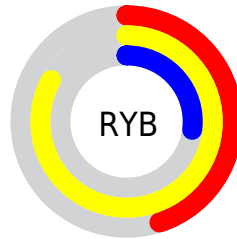
# Distribution



Red (83%)

Green (69%)

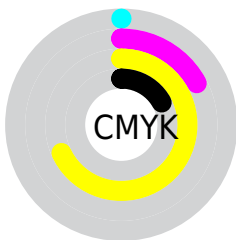
Blue (27%)



Red (45%)

Yellow (83%)

Blue (27%)

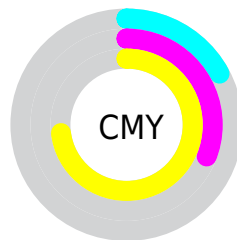


Cyan (0%)

Magenta (17%)

Yellow (68%)

Black (17%)



Cyan (17%)

Magenta (31%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7201, 45.4651, 11.9402 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 43.7201, 45.4651, 11.9402 by changing the saturation by 10% instead.



■ 43.7201, 45.4651,  
11.9402

■ 43.7201, 45.4651,  
11.9402

352.4364,  
368.6540, 214.9728

■ 30.6475, 31.8239,  
6.5809

■ 80.0454, 83.4179,  
30.0489

■ 20.4811, 21.2270,  
3.1270

■ 104.0287,  
108.4983, 43.6354

■ 12.8555, 13.2901,  
1.1598

■ 132.3797,  
138.1606, 60.8014

■ 7.4054, 7.6286,  
0.0000

■ 165.4636,  
172.7892, 81.9655

■ 3.7655, 3.8582,  
0.0000

■ 203.6459,  
212.7684, 107.5461

■ 1.5703, 1.5946,  
0.0000

247.2919,

■ 0.3730, 0.3539,

258.4827, 137.9619

0.0000

296.7670,  
310.3164, 173.6312

■ 0.0000, 0.0000,  
0.0000

■ 43.7201, 45.4651,  
11.9402

■ 43.7201, 45.4651,  
11.9402

■ 42.1679, 43.2157,  
8.7876

■ 45.5489, 47.8936,  
16.3397

■ 40.8620, 41.1273,  
6.7389

■ 47.6741, 50.5045,  
22.1029

■ 39.7649, 39.1858,  
5.5942

■ 50.1174, 53.3089,  
29.3359

■ 39.5506, 38.7958,  
5.4038

■ 52.8970, 56.3149,  
38.1337

■ 56.0299, 59.5300,  
48.5833

■ 59.5319, 62.9610,  
60.7652

■ 63.4175, 66.6146,  
74.7547

■ 67.7006, 70.4968,  
90.6224

■ 71.7759, 74.3663,  
105.1789

# Harmonies

## Analogous

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



54.2666, 45.4651, 15.4235



43.7201, 45.4651, 11.9402



34.5204, 45.4651, 14.7685

# Triad

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



43.7201, 45.4651, 11.9402



28.1895, 45.4651, 81.4042



62.1587, 45.4651, 84.9436

# Complementary

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



43.7201, 45.4651, 11.9402



19.2177, 15.8825, 64.3397

# 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.



53.2550, 45.4651, 116.9409



43.7201, 45.4651, 11.9402



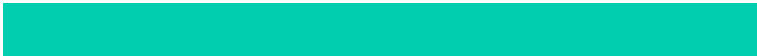
33.7730, 45.4651, 114.3948

# Square

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



43.7201, 45.4651, 11.9402



26.4440, 45.4651, 48.0718



42.7103, 45.4651, 129.3997



65.8950, 45.4651, 50.9639



# Rectangle

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



43.7201, 45.4651, 11.9402



30.1390, 45.4651, 20.8740



42.7103, 45.4651, 129.3997



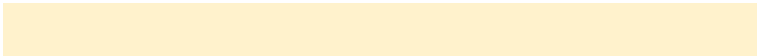
59.6084, 45.4651, 96.7160

# Sweetspot

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



43.7212, 45.4673, 11.9411



83.9663, 89.2740, 69.9328



31.7173, 19.1311, 15.1183



17.6786, 18.8089, 13.9835



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.



43.7212, 45.4673, 11.9411



63.0241, 64.0423, 11.6141



42.4914, 56.7342, 14.1806



13.1978, 13.9697, 13.1615



24.4999, 24.1170, 3.3638



1.5415, 1.5821, 0.2241



# Inverse Universe

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



19.2177, 15.8825, 64.3397



23.5555, 16.5652, 96.5636



19.6601, 11.8313, 63.5344



11.9923, 12.5080, 15.7197



8.1896, 4.6410, 38.9173

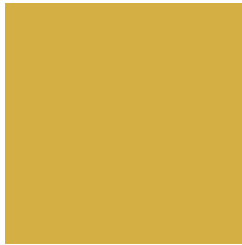


0.5603, 0.4126, 2.3694



# Previews

## White Background



This preview shows how the XYZ color 43.7201, 45.4651, 11.9402 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

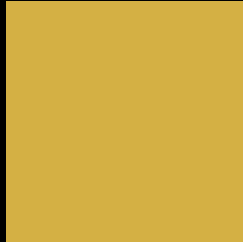
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7201, 45.4651, 11.9402 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 43.7201, 45.4651, 11.9402

## Background



This preview shows how black text looks on a background with the XYZ color 43.7201, 45.4651, 11.9402.



This preview shows how white text looks on a background with the XYZ color 43.7201, 45.4651,



# 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

43.7201, 45.4651, 11.9402

### Protanopia

41.4828, 45.4897, 12.2242

### Deuteranopia

46.4089, 45.4153, 12.1144



## Tritanopia

51.0062, 45.3403, 48.1827

# Trichromacy



## Original Color

43.7201, 45.4651, 11.9402

## Protanomaly

42.3711, 45.6490, 12.2082

## Deuteranomaly

45.5329, 45.5325, 12.0190

## Tritanomaly

47.3907, 44.9626, 30.2257

# Monochromacy



## Original Color

43.7201, 45.4651, 11.9402

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

40.4422, 43.1006, 29.1094

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7201, 45.4651, 11.9402 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, 176, 68)` looks like.

```
.text, #text, p{  
    color:rgb(212, 176, 68)  
}
```

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, 176, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 176, 68) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7201, 45.4651, 11.9402 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, 176, 68) }
```



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

```
.border{ border-color:rgb(212, 176, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 176, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 176, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 176, 68);  
box-shadow:4px 4px 4px 4px rgb(212, 176,  
68) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7201, 45.4651, 11.9402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 176, 68) }
```

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

```
.background{ background-color: rgb(212,  
176, 68) }
```

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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