

# Converting Colors

XYZ(43.2836, 45.1196, 8.7617)

Have a look what the booklet for  
XYZ(43.2836, 45.1196, 8.7617)  
contains.

<b>XYZ(43.2252, 44.9879, 8.7882)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.2252, 44.9879,  
8.7882)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5AF2C
RGB	213, 175, 44
RGB Percent	84%, 69%, 17%
CMY	0.1647, 0.3137, 0.8274
CMYK	0.00, 0.18, 0.79, 0.16
HSL	47°, 67%, 50%
HSV	47°, 79%, 84%
XYZ	43.2252, 44.9879, 8.7882
YIQ	171.4280, 64.6990, -32.6850

# Conversions

## Conversions Part 2

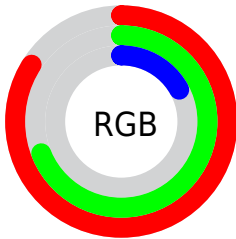
Format	Color
R <sub>Y</sub> B	93, 213, 44
Decimal	14004012
CIE Lab	72.88, 1.39, 66.82
CIE LCh	73, 66.830, 88.812
Yxy	44.9879, 0.4456, 0.4638
Android (android.graphics.Color)	4292194092 (0xFFD5AF2C)
YUV	171.4280, -62.8220, 36.4586
Hunter-Lab	67.0730, -2.3435, 39.1827

# Details

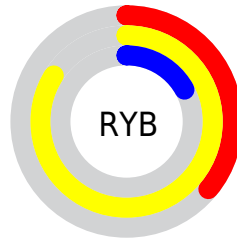
The XYZ color **43.2252, 44.9879, 8.7882** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **16.0663, 11.3741, 64.2991**, and the grayscale version is **39.2090, 41.2509, 44.9223**.

A 20% lighter version of the original color is **71.8858, 78.7932, 23.7317**, and **20.4094, 21.0359, 2.9847** is the 20% darker color. If you saturate the color by 10%, you get **42.0076, 43.0376, 6.8883**, and if you desaturate by 10%, it is **44.6832, 47.0908, 11.7819**.

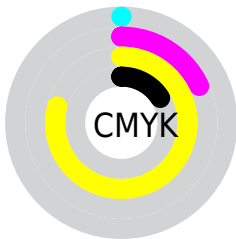
# Distribution



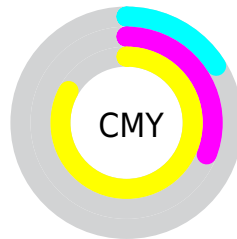
- Red (84%)
- Green (69%)
- Blue (17%)



- Red (36%)
- Yellow (84%)
- Blue (17%)



- Cyan (0%)
- Magenta (18%)
- Yellow (79%)
- Black (16%)




- Cyan (16%)
- Magenta (31%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2252, 44.9879, 8.7882 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 43.2252, 44.9879, 8.7882 by changing the saturation by 10% instead.





 43.2252, 44.9879,  
8.7882


 43.2252, 44.9879,  
8.7882


350.4429,  
366.7246, 191.9495


 30.2571, 31.4479,  
4.5084


 79.3042, 82.7023,  
24.0609


 20.1829, 20.9401,  
1.9082


 103.1458,  
107.6454, 35.8909


 12.6371, 13.0803,  
0.4979


 131.3427,  
137.1584, 51.0747

 7.2544, 7.4838,  
0.0000

 164.2601,  
171.6256, 70.0308

 3.6694, 3.7665,  
0.0000

 202.2635,  
211.4314, 93.1778

 1.5169, 1.5438,  
0.0000

 245.7182,

 0.3373, 0.3193,

256.9602, 120.9342

0.0000

294.9896,  
308.5965, 153.7186

■ 0.0000, 0.0000,  
0.0000

■ 43.2252, 44.9879,  
8.7882

■ 43.2252, 44.9879,  
8.7882

■ 42.0076, 43.0376,  
6.8883

■ 44.6832, 47.0908,  
11.7819

■ 40.9806, 41.2141,  
5.8356

■ 46.4065, 49.3515,  
16.0124

■ 40.9158, 41.0968,  
5.7760

■ 48.4198, 51.7821,  
21.6039

■ 50.7441, 54.3916,  
28.6646

■ 53.3980, 57.1879,  
37.2918

■ 56.3988, 60.1784,  
47.5747

■ 59.7623, 63.3700,  
59.5953

■ 63.5035, 66.7692,  
73.4305

■ 67.6363, 70.3819,  
89.1525

# Harmonies

## Analogous

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



55.4255, 44.9879, 12.0705



43.2252, 44.9879, 8.7882



32.8567, 44.9879, 11.5558

# Triad

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



43.2252, 44.9879, 8.7882



25.9973, 44.9879, 86.8149



64.9008, 44.9879, 90.2286

# Complementary

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



43.2252, 44.9879, 8.7882



16.0663, 11.3741, 64.2991

# 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.



54.4758, 44.9879, 129.3238



43.2252, 44.9879, 8.7882



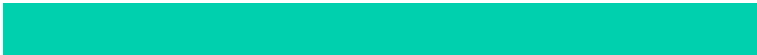
32.1873, 44.9879, 126.8027

# Square

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



43.2252, 44.9879, 8.7882



24.0627, 44.9879, 47.6677



42.2975, 44.9879, 145.0496



69.2598, 44.9879, 50.3247



# Rectangle

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



43.2252, 44.9879, 8.7882



28.0340, 44.9879, 17.7418



42.2975, 44.9879, 145.0496



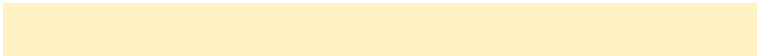
61.9065, 44.9879, 104.4654

# Sweetspot

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



43.2262, 44.9901, 8.7891



82.4818, 88.1993, 63.5982



29.9196, 16.5791, 9.8956



17.3141, 18.5359, 12.4557



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.



43.2262, 44.9901, 8.7891



62.0898, 62.8459, 9.2304



40.3833, 56.0878, 11.0810



13.2250, 14.0243, 13.1706



25.0728, 25.2629, 3.5547



1.5718, 1.6427, 0.2342



# Inverse Universe

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



16.0663, 11.3741, 64.2991



20.2322, 11.3434, 95.7309



17.0376, 8.7332, 63.7382



11.9668, 12.4571, 15.7113



8.0427, 4.3472, 38.8684



0.5483, 0.3886, 2.3654



# Previews

## White Background



This preview shows how the XYZ color 43.2252, 44.9879, 8.7882 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 43.2252, 44.9879, 8.7882 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 43.2252, 44.9879, 8.7882**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2252, 44.9879, 8.7882.



This preview shows how white text looks on a background with the XYZ color 43.2252, 44.9879,



# 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

43.2252, 44.9879, 8.7882

### Protanopia

40.6811, 44.8472, 8.9949

### Deuteranopia

45.9192, 44.9543, 8.8416



## Tritanopia

51.0579, 44.8586, 47.0418

# Trichromacy



## Original Color

43.2252, 44.9879, 8.7882

## Protanomaly

41.5709, 45.0094, 8.9793

## Deuteranomaly

45.0450, 45.0667, 8.8072

## Tritanomaly

46.9284, 44.2560, 26.4909

# Monochromacy



## Original Color

43.2252, 44.9879, 8.7882

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

38.7039, 41.4248, 25.3579

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2252, 44.9879, 8.7882 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(213, 175, 44)` looks like.

```
.text, #text, p{  
    color:rgb(213, 175, 44)  
}
```

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(213, 175, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 175, 44) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2252, 44.9879, 8.7882 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(213, 175, 44) }
```



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

```
.border{ border-color:rgb(213, 175, 44) }
```

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

Here you see how a box with a 4 pixel rgb(213, 175, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 175, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 175, 44);  
box-shadow:4px 4px 4px 4px rgb(213, 175,  
44) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2252, 44.9879, 8.7882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 175, 44) }
```

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

```
.background{ background-color: rgb(213,  
175, 44) }
```

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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