

Converting Colors

XYZ(43.9556, 45.4327, 6.4527)

Have a look what the booklet for
XYZ(43.9556, 45.4327, 6.4527)
contains.

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Color

**XYZ(43.9452, 45.4117,
6.4492)**

Conversions

Conversions Part 1

Format	Color
Hex	D9AF00
RGB	217, 175, 0
RGB Percent	85%, 69%, 0%
CMY	0.1490, 0.3137, 0.9999
CMYK	0.00, 0.19, 1.00, 0.15
HSL	48°, 100%, 43%
HSV	48°, 100%, 85%
XYZ	43.9452, 45.4117, 6.4492
YIQ	167.6080, 81.2070, -45.5210

Conversions

Conversions Part 2

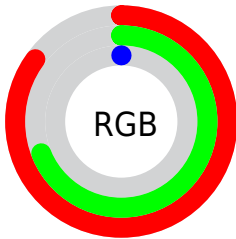
Format	Color
RYB	52, 217, 0
Decimal	14266112
CIELab	73.16, 2.31, 75.77
CIELCh	73, 75.802, 88.254
Yxy	45.4117, 0.4587, 0.4740
Android (android.graphics.Color)	4292456192 (0xFFD9AF00)
YUV	167.6080, -82.6307, 43.3168
Hunter-Lab	67.3882, -1.5259, 41.4976

Details

The XYZ color **43.9452, 45.4117, 6.4492** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **13.3528, 6.6666, 66.2279**, and the grayscale version is **37.3936, 39.3410, 42.8423**.

A 20% lighter version of the original color is **70.9848, 78.4328, 18.9872**, and **20.9876, 21.3340, 3.0117** is the 20% darker color. If you saturate the color by 10%, you get **43.9454, 45.4125, 6.4493**, and if you desaturate by 10%, it is **44.9184, 47.1311, 7.4747**.

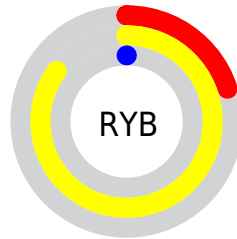
Distribution



Red (85%)

Green (69%)

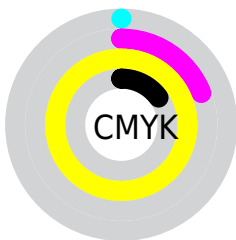
Blue (0%)



Red (20%)

Yellow (85%)

Blue (0%)

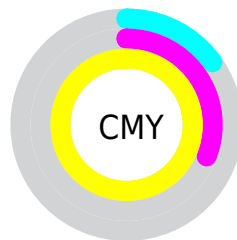


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.9452, 45.4117, 6.4492 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 43.9452, 45.4117, 6.4492 by changing the saturation by 10% instead.


 43.9452, 45.4117,
6.4492

 43.9452, 45.4117,
6.4492


353.3406,
368.4384, 172.4586

 30.8252, 31.7818,
3.0469


 80.3821, 83.3379,
19.3499


 20.6169, 21.1949,
1.1186


 104.4297,
108.4030, 29.6854


 12.9551, 13.2666,
0.0000


 132.8506,
138.0486, 43.1691

 7.4744, 7.6124,
0.0000

 166.0100,
172.6591, 60.2194

 3.8095, 3.8479,
0.0000

 204.2733,
212.6190, 81.2550

 1.5949, 1.5889,
0.0000

 248.0060,

 0.3891, 0.3501,

258.3125, 106.6944

0.0000

297.5733,
310.1242, 136.9561

■ 0.0000, 0.0000,
0.0000

■ 43.9452, 45.4117,
6.4492

■ 43.9452, 45.4117,
6.4492

■ 43.9454, 45.4125,
6.4493

■ 44.9184, 47.1311,
7.4747

■ 46.0759, 48.9635,
9.3484

■ 47.4715, 50.9325,
12.3480

■ 49.1346, 53.0503,
16.6280

■ 51.0903, 55.3271,
22.3188

■ 53.3604, 57.7722,
29.5346

■ 55.9646, 60.3937,
38.3780

■ 58.9209, 63.1991,
48.9425

■ 62.2459, 66.1954,
61.3145

Harmonies

Analogous

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



58.0429, 45.4117, 9.6814



43.9452, 45.4117, 6.4492



32.1661, 45.4117, 8.9493

Triad

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



43.9452, 45.4117, 6.4492



24.3479, 45.4117, 92.7818



68.7276, 45.4117, 98.7781

Complementary

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



43.9452, 45.4117, 6.4492



13.3528, 6.6666, 66.2279

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.



56.4165, 45.4117, 145.9103



43.9452, 45.4117, 6.4492



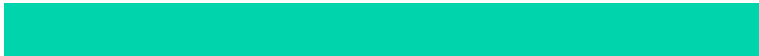
31.0710, 45.4117, 141.3738

Square

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



43.9452, 45.4117, 6.4492



22.3366, 45.4117, 47.2506



42.3891, 45.4117, 164.5080



74.0536, 45.4117, 51.7076

Rectangle

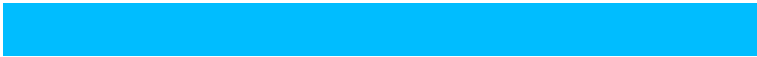
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.9452, 45.4117, 6.4492



26.7738, 45.4117, 14.9840



42.3891, 45.4117, 164.5080



65.1595, 45.4117, 115.8855

Sweetspot

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



43.9462, 45.4139, 6.4501



80.5436, 86.9294, 54.9171



29.0588, 14.9294, 3.6757



16.8862, 18.2563, 10.5369



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.



43.9462, 45.4139, 6.4501



63.2269, 65.2339, 9.2590



37.7438, 56.2914, 8.8766



13.9369, 14.8132, 13.8503



26.6771, 27.6398, 3.9290



1.7843, 1.9027, 0.2732

Inverse Universe

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



13.3528, 6.6666, 66.2279



19.1630, 9.4461, 95.4210



14.7119, 6.1378, 66.0542



12.5417, 13.0231, 16.5048



8.1411, 4.1516, 40.1107



0.5876, 0.3893, 2.6186

Previews

White Background



This preview shows how the XYZ color 43.9452, 45.4117, 6.4492 looks on a white background.

Color Contrast Check

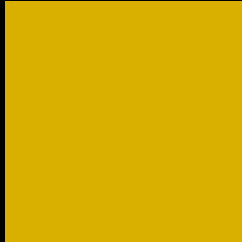
Large Text (above 18pt) WCAG AA × Fail

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 43.9452, 45.4117, 6.4492 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 43.9452, 45.4117, 6.4492

Background



This preview shows how black text looks on a background with the XYZ color 43.9452, 45.4117, 6.4492.

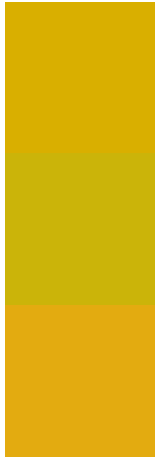


This preview shows how white text looks on a background with the XYZ color 43.9452, 45.4117,

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

43.9452, 45.4117, 6.4492

Protanopia

40.9992, 45.3587, 6.8527

Deuteranopia

46.3350, 45.4941, 6.8293



Tritanopia

52.1991, 45.4583, 46.5806

Trichromacy



Original Color

43.9452, 45.4117, 6.4492

Protanomaly

41.9657, 45.2638, 6.6973

Deuteranomaly

45.2387, 45.2149, 6.6302

Tritanomaly

47.1194, 44.4731, 21.1396

Monochromacy



Original Color

43.9452, 45.4117, 6.4492

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.4665, 40.6265, 19.7769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.9452, 45.4117, 6.4492 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(217, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 175, 0)  
}
```

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(217, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 175, 0) }
```

Border

The CSS property to change the border of an element to XYZ 43.9452, 45.4117, 6.4492 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(217, 175, 0) }
```


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

```
.border{ border-color:rgb(217, 175, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 175, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 175,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 43.9452, 45.4117, 6.4492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 175, 0) }
```

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

```
.background{ background-color: rgb(217,  
175, 0) }
```

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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