

Converting Colors

XYZ(43.6056, 44.8426, 6.3572)

Have a look what the booklet for
XYZ(43.6056, 44.8426, 6.3572)
contains.

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Color

**XYZ(43.7513, 45.0238,
6.3845)**

Conversions

Conversions Part 1

Format	Color
Hex	D9AE00
RGB	217, 174, 0
RGB Percent	85%, 68%, 0%
CMY	0.1490, 0.3176, 0.9999
CMYK	0.00, 0.20, 1.00, 0.15
HSL	48°, 100%, 43%
HSV	48°, 100%, 85%
XYZ	43.7513, 45.0238, 6.3845
YIQ	167.0210, 81.4820, -44.9980

Conversions

Conversions Part 2

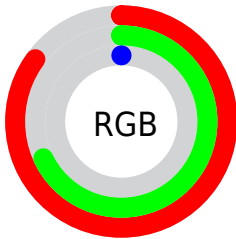
Format	Color
RYB	54, 217, 0
Decimal	14265856
CIELab	72.91, 2.84, 75.59
CIELCh	73, 75.643, 87.850
Yxy	45.0238, 0.4598, 0.4731
Android (android.graphics.Color)	4292455936 (0xFFD9AE00)
YUV	167.0210, -82.3414, 43.8316
Hunter-Lab	67.0998, -1.0366, 41.3284

Details

The XYZ color **43.7513, 45.0238, 6.3845** 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 **13.3887, 6.7383, 66.2400**, and the grayscale version is **37.1038, 39.0361, 42.5103**.

A 20% lighter version of the original color is **70.6706, 77.8631, 18.7015**, and **20.8642, 21.0872, 2.9706** is the 20% darker color. If you saturate the color by 10%, you get **43.7516, 45.0247, 6.3847**, and if you desaturate by 10%, it is **44.7384, 46.7710, 7.4145**.

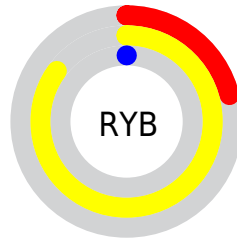
Distribution



Red (85%)

Green (68%)

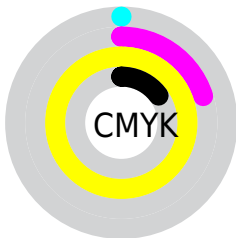
Blue (0%)



Red (21%)

Yellow (85%)

Blue (0%)

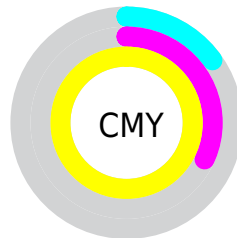


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7513, 45.0238, 6.3845 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 43.7513, 45.0238, 6.3845 by changing the saturation by 10% instead.


 43.7513, 45.0238,
6.3845

 43.7513, 45.0238,
6.3845


352.5618,
366.8699, 171.8787


 30.6721, 31.4762,
3.0077


 80.0920, 82.7561,
19.2152


 20.4999, 20.9617,
1.0986


 104.0843,
107.7096, 29.5061


 12.8693, 13.0960,
0.0000

 132.4450,
137.2338, 42.9389

 7.4150, 7.4947,
0.0000

 165.5394,
171.7132, 59.9320

 3.7716, 3.7734,
0.0000

 203.7329,
211.5321, 80.9040

 1.5737, 1.5476,
0.0000

 247.3910,

 0.3752, 0.3219,

257.0749, 106.2734

0.0000

296.8788,
308.7261, 136.4588

■ 0.0000, 0.0000,
0.0000

■ 43.7513, 45.0238,
6.3845

■ 43.7513, 45.0238,
6.3845

■ 43.7516, 45.0247,
6.3847

■ 44.7384, 46.7710,
7.4145

■ 45.9109, 48.6334,
9.2932

■ 47.3227, 50.6349,
12.2981

■ 49.0033, 52.7876,
16.5838

■ 50.9776, 55.1019,
22.2808

■ 53.2677, 57.5869,
29.5031

■ 55.8931, 60.2508,
38.3535

■ 58.8719, 63.1012,
48.9253

■ 62.2207, 66.1452,
61.3052

Harmonies

Analogous

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



57.7442, 45.0238, 9.6744



43.7513, 45.0238, 6.3845



32.0136, 45.0238, 8.7808

Triad

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



43.7513, 45.0238, 6.3845



24.0711, 45.0238, 91.3436



68.0340, 45.0238, 98.6703

Complementary

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



43.7513, 45.0238, 6.3845



13.3887, 6.7383, 66.2400

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.



55.7572, 45.0238, 145.2590



43.7513, 45.0238, 6.3845



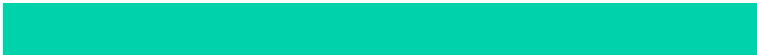
30.6760, 45.0238, 139.7154

Square

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



43.7513, 45.0238, 6.3845



22.1374, 45.0238, 46.3512



41.8503, 45.0238, 163.1861



73.4398, 45.0238, 51.7960

Rectangle

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



43.7513, 45.0238, 6.3845



26.6216, 45.0238, 14.6687



41.8503, 45.0238, 163.1861



64.4647, 45.0238, 115.6328

Sweetspot

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



43.7523, 45.0260, 6.3854



80.4398, 86.7218, 54.8825



29.0589, 14.9294, 3.6755



16.8611, 18.2062, 10.5285



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.



43.7523, 45.0260, 6.3854



62.9457, 64.6714, 9.1652



37.7437, 56.2915, 8.8765



13.9316, 14.8026, 13.8485



26.5609, 27.4074, 3.8902



1.7777, 1.8896, 0.2710

Inverse Universe

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



13.3887, 6.7383, 66.2400



19.2132, 9.5465, 95.4377



14.7118, 6.1377, 66.0544



12.5466, 13.0329, 16.5065



8.1639, 4.1973, 40.1183



0.5899, 0.3939, 2.6194

Previews

White Background



This preview shows how the XYZ color 43.7513, 45.0238, 6.3845 looks on a white background.

Color Contrast Check

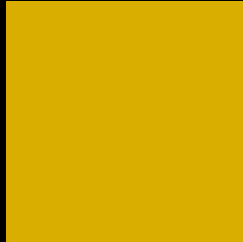
Large Text (above 18pt) WCAG AA × Fail

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 43.7513, 45.0238, 6.3845 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 43.7513, 45.0238, 6.3845

Background



This preview shows how black text looks on a background with the XYZ color 43.7513, 45.0238, 6.3845.



This preview shows how white text looks on a background with the XYZ color 43.7513, 45.0238,

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

43.7513, 45.0238, 6.3845

Protanopia

40.7332, 45.2210, 6.8688

Deuteranopia

46.1395, 45.1148, 6.7282



Tritanopia

51.9243, 45.0654, 46.0062

Trichromacy



Original Color

43.7513, 45.0238, 6.3845

Protanomaly

41.6854, 45.1193, 6.6841

Deuteranomaly

45.0491, 44.8357, 6.5670

Tritanomaly

46.9369, 44.1081, 21.0788

Monochromacy



Original Color

43.7513, 45.0238, 6.3845

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.9838, 40.1043, 19.4273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7513, 45.0238, 6.3845 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, 174, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 174, 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, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 174, 0) }
```

Border

The CSS property to change the border of an element to XYZ 43.7513, 45.0238, 6.3845 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, 174, 0) }
```


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

```
.border{ border-color:rgb(217, 174, 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, 174, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 174,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7513, 45.0238, 6.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 174, 0) }
```

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

```
.background{ background-color: rgb(217,  
174, 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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