

Converting Colors

XYZ(43.6712, 44.3781, 7.8542)

Have a look what the booklet for
XYZ(43.6712, 44.3781, 7.8542)
contains.

| | |
|--|----|
| XYZ(43.6712, 44.3781, 7.8542) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(43.6712, 44.3781,
7.8542)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D9AC23 |
| RGB | 217, 172, 35 |
| RGB Percent | 85%, 67%, 14% |
| CMY | 0.1490, 0.3255, 0.8627 |
| CMYK | 0.00, 0.21, 0.84, 0.15 |
| HSL | 45°, 72%, 49% |
| HSV | 45°, 84%, 85% |
| XYZ | 43.6712, 44.3781, 7.8542 |
| YIQ | 169.8370, 70.7970, -33.0670 |

Conversions

Conversions Part 2

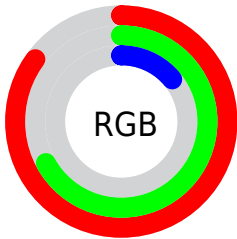
| Format | Color |
|-------------------------------------|--|
| RYB | 95, 217, 35 |
| Decimal | 14265379 |
| CIELab | 72.48, 4.44, 69.30 |
| CIELCh | 72, 69.440, 86.332 |
| Yxy | 44.3781, 0.4554, 0.4627 |
| Android (android.graphics.Color) | 4292455459 (0xFFD9AC23) |
| YUV | 169.8370, -66.4746, 41.3620 |
| Hunter-Lab | 66.6169, 0.4375, 39.6415 |

Details

The XYZ color **43.6712, 44.3781, 7.8542** 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 **16.0863, 11.1044, 66.9408**, and the grayscale version is **38.4246, 40.4256, 44.0235**.

A 20% lighter version of the original color is **70.7295, 77.0063, 21.7255**, and **20.6211, 20.6010, 2.8895** is the 20% darker color. If you saturate the color by 10%, you get **42.4428, 42.2876, 6.3165**, and if you desaturate by 10%, it is **45.1418, 46.6350, 10.4548**.

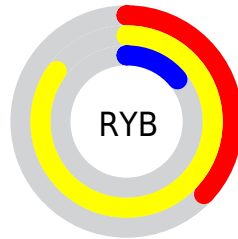
Distribution



Red (85%)

Green (67%)

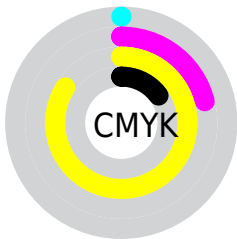
Blue (14%)



Red (37%)

Yellow (85%)

Blue (14%)

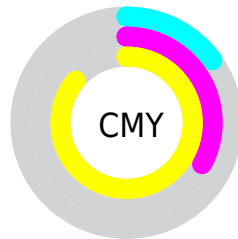


Cyan (0%)

Magenta (21%)

Yellow (84%)

Black (15%)



Cyan (15%)

Magenta (33%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6712, 44.3781, 7.8542 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 43.6712, 44.3781, 7.8542 by changing the saturation by 10% instead.

43.6712, 44.3781,
7.8542

43.6712, 44.3781,
7.8542

352.2398,
364.2490, 184.4756

30.6089, 30.9679,
3.9154

79.9722, 81.7864,
22.2136

20.4516, 20.5744,
1.5790

103.9415,
106.5532, 33.4711

12.8339, 12.8132,
0.2758

132.2773,
135.8744, 48.0054

7.3905, 7.3001,
0.0000

165.3449,
170.1343, 66.2349

3.7560, 3.6505,
0.0000

203.5095,
209.7173, 88.5781

1.5650, 1.4800,
0.0000

247.1367,

0.3694, 0.2746,

255.0078, 115.4536

0.0000

296.5916,
306.3903, 147.2799

■ 0.0000, 0.0000,
0.0000

■ 43.6712, 44.3781,
7.8542

■ 43.6712, 44.3781,
7.8542

■ 42.4428, 42.2876,
6.3165

■ 45.1418, 46.6350,
10.4548

■ 41.7748, 41.0710,
5.7257

■ 46.8838, 49.0655,
14.2838

■ 48.9251, 51.6831,
19.4807

■ 51.2889, 54.4978,
26.1653

■ 53.9957, 57.5188,
34.4443

■ 57.0646, 60.7541,
44.4147

■ 60.5126, 64.2114,
56.1655

■ 64.3561, 67.8979,
69.7796

■ 68.6101, 71.8203,
85.3347

Harmonies

Analogous

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



56.2854, 44.3781, 11.5811



43.6712, 44.3781, 7.8542



32.7634, 44.3781, 10.0275

Triad

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



43.6712, 44.3781, 7.8542



24.7173, 44.3781, 83.8963



64.4077, 44.3781, 94.9075

Complementary

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



43.6712, 44.3781, 7.8542



16.0863, 11.1044, 66.9408

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.



53.2475, 44.3781, 134.8636



43.6712, 44.3781, 7.8542



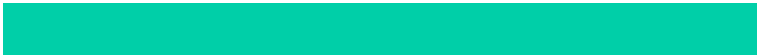
30.6532, 44.3781, 126.6677

Square

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



43.6712, 44.3781, 7.8542



23.1123, 44.3781, 44.2208



40.7232, 44.3781, 148.6103



69.6034, 44.3781, 52.6655

Rectangle

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



43.6712, 44.3781, 7.8542



27.6128, 44.3781, 15.5790



40.7232, 44.3781, 148.6103



61.1373, 44.3781, 109.7002

Sweetspot

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



43.6722, 44.3803, 7.8551



81.6081, 86.9058, 61.9079



30.6830, 16.5407, 9.2630



17.1243, 18.2431, 12.1251



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.



43.6722, 44.3803, 7.8551



60.0802, 58.9405, 8.2101



42.0201, 58.4611, 10.6600



13.8754, 14.6901, 13.8297



25.3756, 25.0368, 3.4951



1.7102, 1.7544, 0.2485

Inverse Universe

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



16.0863, 11.1044, 66.9408



19.8299, 10.7798, 95.6433



16.4765, 7.9397, 66.3094



12.5989, 13.1375, 16.5239



8.4407, 4.7509, 40.2105



0.6149, 0.4439, 2.6277

Previews

White Background



This preview shows how the XYZ color 43.6712, 44.3781, 7.8542 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 43.6712, 44.3781, 7.8542 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 43.6712, 44.3781, 7.8542

Background



This preview shows how black text looks on a background with the XYZ color 43.6712, 44.3781, 7.8542.



This preview shows how white text looks on a background with the XYZ color 43.6712, 44.3781,

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

43.6712, 44.3781, 7.8542

Protanopia

40.0737, 44.2537, 8.1800

Deuteranopia

45.2624, 44.3568, 7.9264



Tritanopia

51.3812, 44.2889, 44.8703

Trichromacy



Original Color

43.6712, 44.3781, 7.8542

Protanomaly

41.2974, 44.2999, 8.0432

Deuteranomaly

44.5120, 44.2490, 7.8639

Tritanomaly

47.2197, 43.6440, 24.3477

Monochromacy



Original Color

43.6712, 44.3781, 7.8542

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.5076, 41.0711, 23.9871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6712, 44.3781, 7.8542 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, 172, 35)` looks like.

```
.text, #text, p{  
    color:rgb(217, 172, 35)  
}
```

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, 172, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 172, 35) }
```

Border

The CSS property to change the border of an element to XYZ 43.6712, 44.3781, 7.8542 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, 172, 35) }
```


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

```
.border{ border-color:rgb(217, 172, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 172, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 172, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 172, 35);  
box-shadow:4px 4px 4px 4px rgb(217, 172,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6712, 44.3781, 7.8542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 172, 35) }
```

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

```
.background{ background-color: rgb(217,  
172, 35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor