

Converting Colors

XYZ(44.6996, 43.7975, 7.4659)

Have a look what the booklet for
XYZ(44.6996, 43.7975, 7.4659)
contains.

XYZ(44.6948, 43.7975, 7.4646)	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(44.6948, 43.7975,
7.4646)**

Conversions

Conversions Part 1

Format	Color
Hex	DFA820
RGB	223, 168, 32
RGB Percent	87%, 66%, 13%
CMY	0.1255, 0.3412, 0.8745
CMYK	0.00, 0.25, 0.86, 0.13
HSL	43°, 75%, 50%
HSV	43°, 86%, 87%
XYZ	44.6948, 43.7975, 7.4646
YIQ	168.9410, 76.4360, -30.6360

Conversions

Conversions Part 2

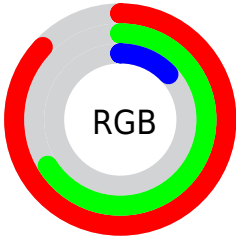
Format	Color
RYB	109, 223, 32
Decimal	14657568
CIELab	72.09, 9.10, 70.03
CIElCh	72, 70.619, 82.593
Yxy	43.7975, 0.4658, 0.4564
Android (android.graphics.Color)	4292847648 (0xFFDFA820)
YUV	168.9410, -67.5119, 47.4097
Hunter-Lab	66.1797, 4.7365, 39.6383

Details

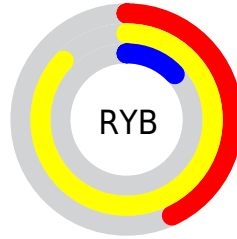
The XYZ color **44.6948, 43.7975, 7.4646** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **17.3233, 12.4513, 71.3019**, and the grayscale version is **37.9812, 39.9592, 43.5156**.

A 20% lighter version of the original color is **69.5594, 74.8081, 20.8984**, and **21.3496, 20.2773, 2.7887** is the 20% darker color. If you saturate the color by 10%, you get **43.3318, 41.4039, 5.9867**, and if you desaturate by 10%, it is **46.3230, 46.3944, 10.0414**.

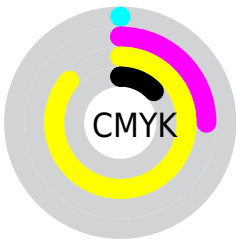
Distribution



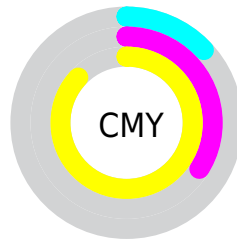
- Red (87%)
- Green (66%)
- Blue (13%)



- Red (43%)
- Yellow (87%)
- Blue (13%)



- Cyan (0%)
- Magenta (25%)
- Yellow (86%)
- Black (13%)



- Cyan (13%)
- Magenta (34%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6948, 43.7975, 7.4646 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 44.6948, 43.7975, 7.4646 by changing the saturation by 10% instead.

■ 44.6948, 43.7975,
7.4646

■ 44.6948, 43.7975,
7.4646

356.3406,
361.8813, 181.2450

■ 31.4174, 30.5113,
3.6715

■ 81.5021, 80.9129,
21.4305

■ 21.0702, 20.2270,
1.4469

■ 105.7627,
105.5110, 32.4404

■ 13.2881, 12.5602,
0.1779

■ 134.4151,
134.6485, 46.6930

■ 7.7056, 7.1264,
0.0000

■ 167.8245,
168.7099, 64.6068

■ 3.9574, 3.5413,
0.0000

■ 206.3564,
208.0794, 86.6004

■ 1.6780, 1.4204,
0.0000

■ 250.3762,

■ 0.4425, 0.2317,

253.1416, 113.0922

0.0000

300.2491,
304.2807, 144.5009

■ 0.0000, 0.0000,
0.0000

■ 44.6948, 43.7975,
7.4646

■ 44.6948, 43.7975,
7.4646

■ 43.3318, 41.4039,
5.9867

■ 46.3230, 46.3944,
10.0414

■ 42.7933, 40.4120,
5.5449

■ 48.2499, 49.2041,
13.9029

■ 50.5063, 52.2417,
19.2027

■ 53.1179, 55.5190,
26.0723

■ 56.1075, 59.0463,
34.6281

■ 59.4959, 62.8329,
44.9755

■ 63.3021, 66.8879,
57.2114

■ 67.5438, 71.2194,
71.4253

■ 72.2377, 75.8352,
87.7013

Harmonies

Analogous

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



57.3915, 43.7975, 11.9624



44.6948, 43.7975, 7.4646



33.3275, 43.7975, 8.8655

Triad

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



44.6948, 43.7975, 7.4646



23.6559, 43.7975, 78.0795



62.9374, 43.7975, 100.5831

Complementary

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



44.6948, 43.7975, 7.4646



17.3233, 12.4513, 71.3019

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.



51.2040, 43.7975, 139.2357



44.6948, 43.7975, 7.4646



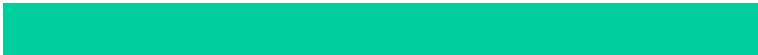
29.0530, 43.7975, 122.4425

Square

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



44.6948, 43.7975, 7.4646



22.5826, 43.7975, 39.6165



38.7052, 43.7975, 148.7382



69.1694, 43.7975, 56.7875

Rectangle

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



44.6948, 43.7975, 7.4646



27.8047, 43.7975, 13.5681



38.7052, 43.7975, 148.7382



59.4088, 43.7975, 115.3308

Sweetspot

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



44.6958, 43.7997, 7.4654



80.3623, 84.8602, 60.1177



32.7639, 17.4477, 11.1593



16.8466, 17.7730, 11.7697



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.



44.6958, 43.7997, 7.4654



57.8814, 54.5427, 7.4771



46.6079, 63.1689, 11.1033



14.5209, 15.3278, 14.5000



25.2633, 23.9645, 3.2941



1.8267, 1.8122, 0.2535

Inverse Universe

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



17.3233, 12.4513, 71.3019



20.4605, 12.0409, 95.8535



16.3765, 7.6708, 70.4291



13.2719, 13.8829, 17.3679



9.0006, 5.4708, 41.6300



0.6992, 0.5299, 2.9107

Previews

White Background



This preview shows how the XYZ color 44.6948, 43.7975, 7.4646 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 44.6948, 43.7975, 7.4646 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 44.6948, 43.7975, 7.4646

Background



This preview shows how black text looks on a background with the XYZ color 44.6948, 43.7975, 7.4646.



This preview shows how white text looks on a background with the XYZ color 44.6948, 43.7975,

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

44.6948, 43.7975, 7.4646

Protanopia

39.5787, 43.7077, 7.9405

Deuteranopia

44.6948, 43.7975, 7.4646



Tritanopia

51.9113, 43.5930, 42.7241

Trichromacy



Original Color

44.6948, 43.7975, 7.4646

Protanomaly

41.4372, 43.7975, 7.7832

Deuteranomaly

44.6948, 43.7975, 7.4646

Tritanomaly

47.8955, 42.9675, 23.2220

Monochromacy



Original Color

44.6948, 43.7975, 7.4646

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.5040, 40.5267, 23.2458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6948, 43.7975, 7.4646 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(223, 168, 32)` looks like.

```
.text, #text, p{  
    color:rgb(223, 168, 32)  
}
```

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(223, 168, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 168, 32) }
```

Border

The CSS property to change the border of an element to XYZ 44.6948, 43.7975, 7.4646 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(223, 168, 32) }
```


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

```
.border{ border-color:rgb(223, 168, 32) }
```

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

Here you see how a box with a 4 pixel rgb(223, 168, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 168, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 168, 32);  
box-shadow:4px 4px 4px 4px rgb(223, 168,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6948, 43.7975, 7.4646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 168, 32) }
```

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

```
.background{ background-color: rgb(223,  
168, 32) }
```

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