

Converting Colors

XYZ(44.7676, 48.4904, 9.4229)

Have a look what the booklet for
XYZ(44.7676, 48.4904, 9.4229)
contains.

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Color

**XYZ(44.7465, 48.4599,
9.3782)**

Conversions

Conversions Part 1

Format	Color
Hex	D4B82C
RGB	212, 184, 44
RGB Percent	83%, 72%, 17%
CMY	0.1686, 0.2784, 0.8274
CMYK	0.00, 0.13, 0.79, 0.17
HSL	50°, 66%, 50%
HSV	50°, 79%, 83%
XYZ	44.7465, 48.4599, 9.3782
YIQ	176.4120, 61.6280, -37.6040

Conversions

Conversions Part 2

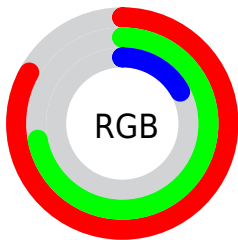
Format	Color
RYB	78, 212, 44
Decimal	13940780
CIELab	75.11, -3.77, 68.77
CIELCh	75, 68.872, 93.137
Yxy	48.4599, 0.4362, 0.4724
Android (android.graphics.Color)	4292130860 (0xFFD4B82C)
YUV	176.4120, -65.2791, 31.2107
Hunter-Lab	69.6131, -7.0853, 40.7417

Details

The XYZ color **44.7465, 48.4599, 9.3782** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed orange. A complement of this color would be **15.2399, 9.9237, 63.3991**, and the grayscale version is **41.7915, 43.9679, 47.8810**.

A 20% lighter version of the original color is **74.7984, 84.5395, 24.9458**, and **21.2532, 23.0049, 3.3202** is the 20% darker color. If you saturate the color by 10%, you get **43.7208, 46.8919, 7.5472**, and if you desaturate by 10%, it is **45.9961, 50.1505, 12.2881**.

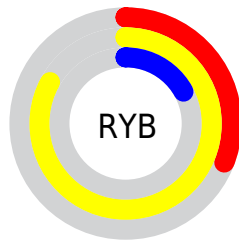
Distribution



Red (83%)

Green (72%)

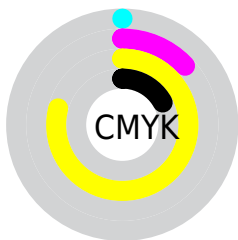
Blue (17%)



Red (31%)

Yellow (83%)

Blue (17%)

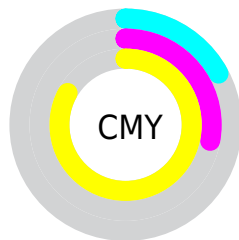


Cyan (0%)

Magenta (13%)

Yellow (79%)

Black (17%)



Cyan (17%)


Magenta (28%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.7465, 48.4599, 9.3782 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 44.7465, 48.4599, 9.3782 by changing the saturation by 10% instead.


 44.7465, 48.4599,
9.3782

 44.7465, 48.4599,
9.3782


356.5469,
380.6122, 196.4955


 31.4582, 34.1912,
4.8885


 81.5793, 87.8888,
25.2085

 21.1016, 23.0405,
2.1244


 105.8545,
113.8177, 37.3861

 13.3111, 14.6235,
0.6302


 134.5228,
144.4023, 52.9635

 7.7216, 8.5555,
0.0000

 167.9494,
180.0268, 72.3592

 3.9676, 4.4524,
0.0000

 206.4998,
221.0756, 95.9917

 1.6838, 1.9297,
0.0000

 250.5392,

 0.4461, 0.5662,

267.9332, 124.2795

0.0000

300.4332,
320.9839, 157.6413

■ 0.0000, 0.0000,
0.0000

■ 44.7465, 48.4599,
9.3782

■ 44.7465, 48.4599,
9.3782

■ 43.7208, 46.8919,
7.5472

■ 45.9961, 50.1505,
12.2881

■ 42.8704, 45.4213,
6.5538

■ 47.4936, 51.9680,
16.4177

■ 42.8088, 45.3121,
6.4899

■ 49.2634, 53.9241,
21.8896

■ 51.3260, 56.0273,
28.8104

■ 53.6996, 58.2850,
37.2764

■ 56.4011, 60.7042,
47.3754

■ 59.4459, 63.2914,
59.1884

■ 62.8487, 66.0524,
72.7914

■ 66.6230, 68.9930,
88.2555

Harmonies

Analogous

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



57.8997, 48.4599, 11.9118



44.7465, 48.4599, 9.3782



34.0429, 48.4599, 13.3759

Triad

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



44.7465, 48.4599, 9.3782



28.6025, 48.4599, 100.5175



71.2345, 48.4599, 90.7455

Complementary

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



44.7465, 48.4599, 9.3782



15.2399, 9.9237, 63.3991

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.



60.6160, 48.4599, 134.8204



44.7465, 48.4599, 9.3782



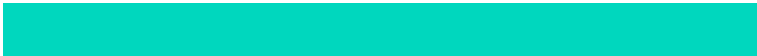
35.9549, 48.4599, 142.0426

Square

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



44.7465, 48.4599, 9.3782



25.8536, 48.4599, 56.6536



47.3983, 48.4599, 156.8185



74.7391, 48.4599, 49.0578

Rectangle

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



44.7465, 48.4599, 9.3782



29.2655, 48.4599, 21.1218



47.3983, 48.4599, 156.8185



68.2940, 48.4599, 106.3066

Sweetspot

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



44.7476, 48.4622, 9.3792



83.5477, 90.3311, 63.9535



29.2219, 16.2667, 7.7314



17.5736, 19.0549, 12.5422



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.



44.7476, 48.4622, 9.3792



65.5181, 69.7025, 10.3731



37.7086, 54.3366, 10.8840



13.2885, 14.1512, 13.1918



26.4916, 28.1005, 4.0277



1.6457, 1.7906, 0.2589

Inverse Universe

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



15.2399, 9.9237, 63.3991



19.4908, 9.8606, 95.4837



18.0404, 9.2648, 63.1243



11.9082, 12.3397, 15.6917



7.7629, 3.7875, 38.7751



0.5209, 0.3338, 2.3563

Previews

White Background



This preview shows how the XYZ color 44.7465, 48.4599, 9.3782 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 44.7465, 48.4599, 9.3782 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 44.7465, 48.4599, 9.3782

Background



This preview shows how black text looks on a background with the XYZ color 44.7465, 48.4599, 9.3782.



This preview shows how white text looks on a background with the XYZ color 44.7465, 48.4599,

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

44.7465, 48.4599, 9.3782

Protanopia

43.8160, 48.2897, 9.3944

Deuteranopia

49.6631, 48.5877, 9.5571



Tritanopia

53.6337, 48.5374, 52.4408

Trichromacy



Original Color

44.7465, 48.4599, 9.3782

Protanomaly

44.0981, 48.4351, 9.4076

Deuteranomaly

47.6845, 48.4530, 9.5284

Tritanomaly

48.7419, 47.6773, 29.1879

Monochromacy



Original Color

44.7465, 48.4599, 9.3782

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.0026, 44.6175, 26.8730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7465, 48.4599, 9.3782 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(212, 184, 44)` looks like.

```
.text, #text, p{  
    color:rgb(212, 184, 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(212, 184, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 184, 44) }
```

Border

The CSS property to change the border of an element to XYZ 44.7465, 48.4599, 9.3782 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(212, 184, 44) }
```


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

```
.border{ border-color:rgb(212, 184, 44) }
```

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

Here you see how a box with a 4 pixel rgb(212, 184, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 184, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 184, 44);  
box-shadow:4px 4px 4px 4px rgb(212, 184,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7465, 48.4599, 9.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 184, 44) }
```

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

```
.background{ background-color: rgb(212,  
184, 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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