

Converting Colors

XYZ(45.7613, 48.8971, 7.5048)

Have a look what the booklet for
XYZ(45.7613, 48.8971, 7.5048)
contains.

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Color

**XYZ(45.8493, 49.0701,
7.5452)**

Conversions

Conversions Part 1

Format	Color
Hex	D9B810
RGB	217, 184, 16
RGB Percent	85%, 72%, 6%
CMY	0.1490, 0.2784, 0.9372
CMYK	0.00, 0.15, 0.93, 0.15
HSL	50°, 86%, 46%
HSV	50°, 93%, 85%
XYZ	45.8493, 49.0701, 7.5452
YIQ	174.7150, 73.5960, -45.2520

Conversions

Conversions Part 2

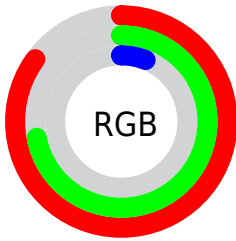
Format	Color
RYB	55, 217, 16
Decimal	14268432
CIELab	75.49, -2.24, 75.60
CIELCh	75, 75.634, 91.697
Yxy	49.0701, 0.4475, 0.4789
Android (android.graphics.Color)	4292458512 (0xFFD9B810)
YUV	174.7150, -78.2465, 37.0839
Hunter-Lab	70.0501, -5.7554, 42.6488

Details

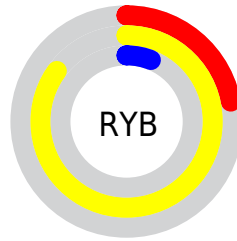
The XYZ color **45.8493, 49.0701, 7.5452** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **13.8369, 7.3174, 66.3282**, and the grayscale version is **40.9672, 43.1007, 46.9367**.

A 20% lighter version of the original color is **74.0798, 84.2521, 21.1620**, and **22.0209, 23.4007, 3.3562** is the 20% darker color. If you saturate the color by 10%, you get **45.2157, 47.9528, 6.8727**, and if you desaturate by 10%, it is **46.8514, 50.6719, 9.1210**.

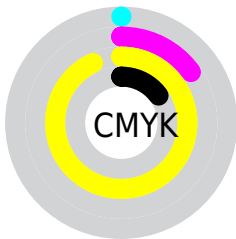
Distribution



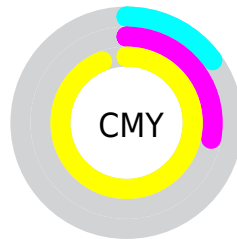
- Red (85%)
- Green (72%)
- Blue (6%)



- Red (22%)
- Yellow (85%)
- Blue (6%)



- Cyan (0%)
- Magenta (15%)
- Yellow (93%)
- Black (15%)





- Cyan (15%)
- Magenta (28%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8493, 49.0701, 7.5452 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 45.8493, 49.0701, 7.5452 by changing the saturation by 10% instead.


 45.8493, 49.0701,
7.5452

 45.8493, 49.0701,
7.5452


360.9286,
383.0182, 181.9193

 32.3310, 34.6751,
3.7218


 83.2227, 88.7956,
21.5932

 21.7712, 23.4127,
1.4740


 107.8085,
114.8948, 32.6548

 13.8046, 14.8985,
0.1984


 136.8142,
145.6642, 46.9662

 8.0657, 8.7482,
0.0000

 170.6051,
181.4883, 64.9459

 4.1892, 4.5773,
0.0000

 209.5467,
222.7513, 87.0126

 1.8097, 2.0015,
0.0000

 254.0042,

 0.5235, 0.6083,

269.8377, 113.5847

0.0000

304.3430,
323.1319, 145.0807

■ 0.0000, 0.0000,
0.0000

■ 45.8493, 49.0701,
7.5452

■ 45.8493, 49.0701,
7.5452

■ 45.2157, 47.9528,
6.8727

■ 46.8514, 50.6719,
9.1210

■ 48.0745, 52.3902,
11.7729

■ 49.5509, 54.2400,
15.6650

■ 51.3063, 56.2319,
20.9330

■ 53.3634, 58.3752,
27.6949

■ 55.7423, 60.6780,
36.0559

■ 58.4611, 63.1478,
46.1117

■ 61.5369, 65.7917,
57.9504

■ 64.9852, 68.6161,
71.6541

Harmonies

Analogous

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



60.5544, 49.0701, 10.3096



45.8493, 49.0701, 7.5452



33.9132, 49.0701, 11.0886

Triad

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



45.8493, 49.0701, 7.5452



27.3312, 49.0701, 104.8359



74.4799, 49.0701, 98.7768

Complementary

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



45.8493, 49.0701, 7.5452



13.8369, 7.3174, 66.3282

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.



62.2077, 49.0701, 149.1176



45.8493, 49.0701, 7.5452



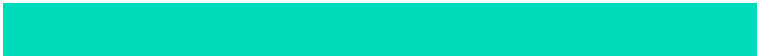
35.0387, 49.0701, 153.6759

Square

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



45.8493, 49.0701, 7.5452



24.6306, 49.0701, 55.7379



47.4390, 49.0701, 172.9417



78.9324, 49.0701, 51.1847

Rectangle

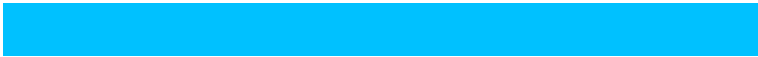
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.8493, 49.0701, 7.5452



28.5919, 49.0701, 18.5489



47.4390, 49.0701, 172.9417



71.0259, 49.0701, 116.6199

Sweetspot

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



45.8504, 49.0725, 7.5462



81.9840, 88.9723, 57.9802



29.3658, 15.3487, 4.3776



17.1959, 18.7184, 11.1250



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.



45.8504, 49.0725, 7.5462



65.0693, 68.9187, 9.8731



37.4848, 56.1473, 9.3527



13.9708, 14.8809, 13.8615



27.4376, 29.1608, 4.1825



1.8271, 1.9882, 0.2875

Inverse Universe

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



13.8369, 7.3174, 66.3282



18.8730, 8.8661, 95.3243



16.2780, 7.2202, 66.1808



12.5105, 12.9608, 16.4944



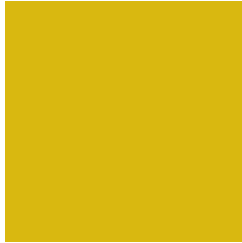
8.0080, 3.8854, 40.0663



0.5730, 0.3600, 2.6137

Previews

White Background



This preview shows how the XYZ color 45.8493, 49.0701, 7.5452 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 45.8493, 49.0701, 7.5452 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 45.8493, 49.0701, 7.5452

Background



This preview shows how black text looks on a background with the XYZ color 45.8493, 49.0701, 7.5452.



This preview shows how white text looks on a background with the XYZ color 45.8493, 49.0701,

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

45.8493, 49.0701, 7.5452

Protanopia

44.4498, 49.2828, 7.7001

Deuteranopia

49.9618, 48.7830, 7.7025



Tritanopia

54.8932, 48.9174, 51.8962

Trichromacy



Original Color

45.8493, 49.0701, 7.5452

Protanomaly

45.1007, 49.3044, 7.6700

Deuteranomaly

48.2598, 48.7921, 7.6333

Tritanomaly

49.5319, 48.1687, 25.4258

Monochromacy



Original Color

45.8493, 49.0701, 7.5452

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.3665, 44.0723, 23.2089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8493, 49.0701, 7.5452 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, 184, 16)` looks like.

```
.text, #text, p{  
    color:rgb(217, 184, 16)  
}
```

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, 184, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 184, 16) }
```

Border

The CSS property to change the border of an element to XYZ 45.8493, 49.0701, 7.5452 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, 184, 16) }
```


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

```
.border{ border-color:rgb(217, 184, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 184, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 184, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 184, 16);  
box-shadow:4px 4px 4px 4px rgb(217, 184,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8493, 49.0701, 7.5452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 184, 16) }
```

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

```
.background{ background-color: rgb(217,  
184, 16) }
```

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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