

Converting Colors

XYZ(44.8472, 49.8153, 7.2516)

Have a look what the booklet for
XYZ(44.8472, 49.8153, 7.2516)
contains.

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Color

**XYZ(44.8472, 49.8153,
7.2516)**

Conversions

Conversions Part 1

Format	Color
Hex	D3BC00
RGB	211, 188, 0
RGB Percent	83%, 74%, 0%
CMY	0.1726, 0.2627, 0.9999
CMYK	0.00, 0.11, 1.00, 0.17
HSL	53°, 100%, 41%
HSV	53°, 100%, 83%
XYZ	44.8472, 49.8153, 7.2516
YIQ	173.4450, 74.0560, -53.5920

Conversions

Conversions Part 2

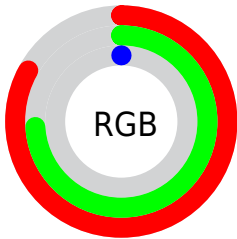
Format	Color
RYB	26, 211, 0
Decimal	13876224
CIELab	75.96, -7.10, 77.48
CIELCh	76, 77.801, 95.240
Yxy	49.8153, 0.4400, 0.4888
Android (android.graphics.Color)	4292066304 (0xFFD3BC00)
YUV	173.4450, -85.5084, 32.9357
Hunter-Lab	70.5800, -10.0943, 43.3143

Details

The XYZ color **44.8472, 49.8153, 7.2516** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed orange. A complement of this color would be **12.0647, 5.3166, 62.0179**, and the grayscale version is **40.3474, 42.4486, 46.2265**.

A 20% lighter version of the original color is **75.1137, 86.5706, 20.7335**, and **21.6129, 24.0033, 3.4940** is the 20% darker color. If you saturate the color by 10%, you get **44.8477, 49.8167, 7.2519**, and if you desaturate by 10%, it is **45.4799, 50.8627, 8.1357**.

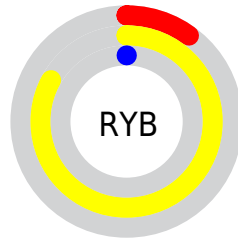
Distribution



Red (83%)

Green (74%)

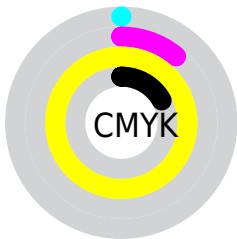
Blue (0%)



Red (10%)

Yellow (83%)

Blue (0%)

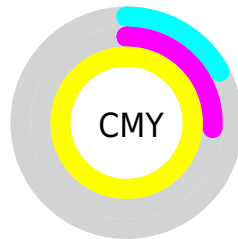


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (17%)



Cyan (17%)

Magenta (26%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8472, 49.8153, 7.2516 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 44.8472, 49.8153, 7.2516 by changing the saturation by 10% instead.

■ 44.8472, 49.8153,
7.2516

■ 44.8472, 49.8153,
7.2516

356.9485,
385.9432, 179.4477

■ 31.5379, 35.2667,
3.5391

■ 81.7295, 89.9012,
20.9990

■ 21.1626, 23.8684,
1.3761

■ 106.0333,
116.2072, 31.8711

■ 13.3560, 15.2360,
0.1230

■ 134.7325,
147.2011, 45.9667

■ 7.7529, 8.9852,
0.0000

■ 168.1925,
183.2673, 63.7045

■ 3.9877, 4.7315,
0.0000

■ 206.7788,
224.7903, 85.5029

■ 1.6952, 2.0906,
0.0000

■ 250.8567,

■ 0.4532, 0.6593,

272.1543, 111.7806

0.0000

300.7914,
325.7438, 142.9560

■ 0.0000, 0.0000,
0.0000

■ 44.8472, 49.8153,
7.2516

■ 44.8472, 49.8153,
7.2516

■ 44.8477, 49.8167,
7.2519

■ 45.4799, 50.8627,
8.1357

■ 46.2684, 51.9830,
9.8063

■ 47.2637, 53.1987,
12.5269

■ 48.4931, 54.5207,
16.4417

■ 49.9799, 55.9584,
21.6719

■ 51.7442, 57.5199,
28.3242

■ 53.8042, 59.2126,
36.4941

■ 56.1766, 61.0432,
46.2690

■ 58.8766, 63.0178,
57.7296

Harmonies

Analogous

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



60.0117, 49.8153, 9.2424



44.8472, 49.8153, 7.2516



33.0137, 49.8153, 11.6696

Triad

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



44.8472, 49.8153, 7.2516



28.0316, 49.8153, 114.5901



77.4470, 49.8153, 95.0280

Complementary

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



44.8472, 49.8153, 7.2516



12.0647, 5.3166, 62.0179

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.



65.3262, 49.8153, 149.0884



44.8472, 49.8153, 7.2516



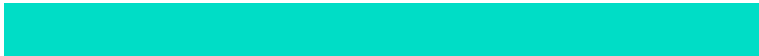
36.6042, 49.8153, 163.8593

Square

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



44.8472, 49.8153, 7.2516



24.6566, 49.8153, 61.8639



49.9400, 49.8153, 178.9434



80.8935, 49.8153, 47.2704

Rectangle

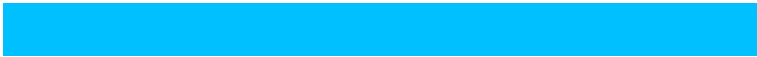
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.8472, 49.8153, 7.2516



27.9374, 49.8153, 20.2636



49.9400, 49.8153, 178.9434



74.1460, 49.8153, 113.6920

Sweetspot

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



44.8483, 49.8177, 7.2526



82.4839, 90.8098, 55.5639



27.0355, 13.9178, 2.1606



17.3557, 19.1952, 10.6934



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.



44.8483, 49.8177, 7.2526



68.7662, 76.3124, 11.1054



32.5192, 51.3439, 8.1970



12.6888, 13.5683, 12.5622



27.1120, 30.1570, 4.3919



1.5481, 1.7506, 0.2563

Inverse Universe

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



12.0647, 5.3166, 62.0179



18.4603, 8.0406, 95.1868



15.1424, 6.4483, 62.0741



11.2659, 11.6221, 14.8932



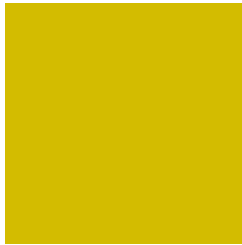
7.3178, 3.2821, 37.4403



0.4450, 0.2552, 2.1054

Previews

White Background



This preview shows how the XYZ color 44.8472, 49.8153, 7.2516 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 44.8472, 49.8153, 7.2516 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 44.8472, 49.8153, 7.2516

Background



This preview shows how black text looks on a background with the XYZ color 44.8472, 49.8153, 7.2516.

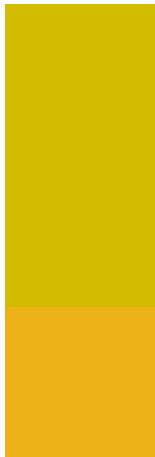


This preview shows how white text looks on a background with the XYZ color 44.8472, 49.8153,

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

44.8472, 49.8153, 7.2516

Protanopia

44.8472, 49.8153, 7.2516

Deuteranopia

51.0103, 49.9113, 7.8095



Tritanopia

54.5313, 49.8204, 54.3191

Trichromacy



Original Color

44.8472, 49.8153, 7.2516

Protanomaly

44.8472, 49.8153, 7.2516

Deuteranomaly

48.8091, 49.9844, 7.5274

Tritanomaly

48.6249, 48.9040, 24.6459

Monochromacy



Original Color

44.8472, 49.8153, 7.2516

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.2284, 43.5314, 21.0867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8472, 49.8153, 7.2516 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(211, 188, 0)` looks like.

```
.text, #text, p{  
    color:rgb(211, 188, 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(211, 188, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 188, 0) }
```

Border

The CSS property to change the border of an element to XYZ 44.8472, 49.8153, 7.2516 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(211, 188, 0) }
```


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

```
.border{ border-color:rgb(211, 188, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 188, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 188, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 188, 0);  
box-shadow:4px 4px 4px 4px rgb(211, 188,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8472, 49.8153, 7.2516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 188, 0) }
```

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

```
.background{ background-color: rgb(211,  
188, 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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