

Converting Colors

XYZ(44.3905, 49.7052, 7.2544)

Have a look what the booklet for
XYZ(44.3905, 49.7052, 7.2544)
contains.

XYZ(44.2777, 49.5217, 7.2250)	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(44.2777, 49.5217,
7.2250)**

Conversions

Conversions Part 1

Format	Color
Hex	D1BC00
RGB	209, 188, 0
RGB Percent	82%, 74%, 0%
CMY	0.1804, 0.2627, 0.9999
CMYK	0.00, 0.10, 1.00, 0.18
HSL	54°, 100%, 41%
HSV	54°, 100%, 82%
XYZ	44.2777, 49.5217, 7.2250
YIQ	172.8470, 72.8640, -54.0160

Conversions

Conversions Part 2

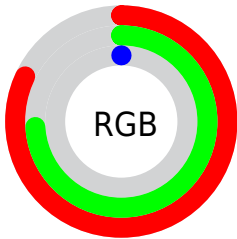
Format	Color
RYB	23, 209, 0
Decimal	13745152
CIELab	75.77, -7.98, 77.26
CIELCh	76, 77.674, 95.896
Yxy	49.5217, 0.4383, 0.4902
Android (android.graphics.Color)	4291935232 (0xFFD1BC00)
YUV	172.8470, -85.2136, 31.7062
Hunter-Lab	70.3717, -10.8386, 43.1729

Details

The XYZ color **44.2777, 49.5217, 7.2250** 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 **11.7773, 5.1405, 60.6926**, and the grayscale version is **40.0395, 42.1247, 45.8738**.

A 20% lighter version of the original color is **75.1137, 86.5706, 20.7335**, and **21.2416, 23.8120, 3.4766** is the 20% darker color. If you saturate the color by 10%, you get **44.2782, 49.5231, 7.2252**, and if you desaturate by 10%, it is **44.8652, 50.4815, 8.0849**.

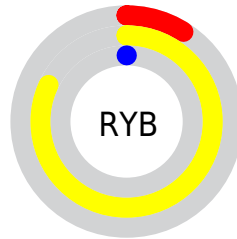
Distribution



Red (82%)

Green (74%)

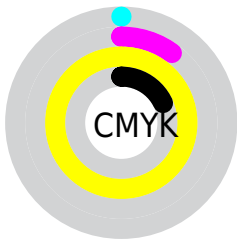
Blue (0%)



Red (9%)

Yellow (82%)

Blue (0%)

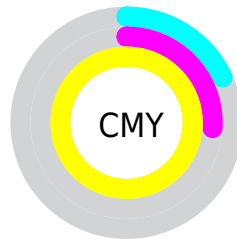


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (26%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2777, 49.5217, 7.2250 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 44.2777, 49.5217, 7.2250 by changing the saturation by 10% instead.

■ 44.2777, 49.5217,
7.2250

■ 44.2777, 49.5217,
7.2250

354.6734,
384.7925, 179.2217

■ 31.0877, 35.0335,
3.5226

■ 80.8792, 89.4658,
20.9450

■ 20.8178, 23.6887,
1.3673

■ 105.0215,
115.6905, 31.7997

■ 13.1026, 15.1028,
0.1160

■ 133.5452,
146.5961, 45.8755

■ 7.5767, 8.8916,
0.0000

■ 166.8158,
182.5671, 63.5911

■ 3.8748, 4.6705,
0.0000

■ 205.1985,
223.9879, 85.3650

■ 1.6316, 2.0553,
0.0000

■ 249.0588,

■ 0.4128, 0.6393,

271.2428, 111.6157

0.0000

298.7620,
324.7162, 142.7617

■ 0.0000, 0.0000,
0.0000

■ 44.2777, 49.5217,
7.2250

■ 44.2777, 49.5217,
7.2250

■ 44.2782, 49.5231,
7.2252

■ 44.8652, 50.4815,
8.0849

■ 45.6036, 51.5104,
9.7127

■ 46.5433, 52.6302,
12.3675

■ 47.7109, 53.8517,
16.1898

■ 49.1289, 55.1841,
21.2983

■ 50.8172, 56.6351,
27.7968

■ 52.7934, 58.2121,
35.7790

■ 55.0739, 59.9215,
45.3299

■ 57.6735, 61.7694,
56.5285

Harmonies

Analogous

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



59.3243, 49.5217, 9.0653



44.2777, 49.5217, 7.2250



32.6121, 49.5217, 11.7840

Triad

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



44.2777, 49.5217, 7.2250



27.9915, 49.5217, 115.1636



77.1849, 49.5217, 93.2849

Complementary

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



44.2777, 49.5217, 7.2250



11.7773, 5.1405, 60.6926

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.



65.2688, 49.5217, 147.2160



44.2777, 49.5217, 7.2250



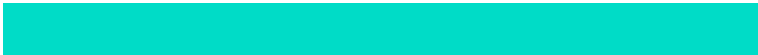
36.6294, 49.5217, 163.7324

Square

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



44.2777, 49.5217, 7.2250



24.5252, 49.5217, 62.4962



49.9750, 49.5217, 177.7521



80.3860, 49.5217, 46.1680

Rectangle

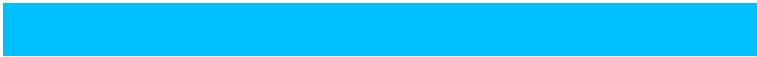
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.2777, 49.5217, 7.2250



27.6412, 49.5217, 20.5281



49.9750, 49.5217, 177.7521



73.9619, 49.5217, 111.8217

Sweetspot

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



44.2788, 49.5241, 7.2260



82.6833, 91.2088, 55.6303



26.4636, 13.6233, 2.1211



17.4041, 19.2920, 10.7095



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.



44.2788, 49.5241, 7.2260



69.3654, 77.5108, 11.3051



31.8372, 50.2592, 8.0236



12.6977, 13.5861, 12.5652



27.3423, 30.6176, 4.4687



1.5588, 1.7719, 0.2599

Inverse Universe

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



11.7773, 5.1405, 60.6926



18.4110, 7.9419, 95.1703



14.8280, 6.3150, 60.7585



11.2579, 11.6060, 14.8905



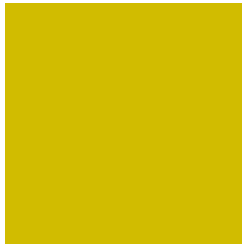
7.2949, 3.2364, 37.4327



0.4412, 0.2477, 2.1041

Previews

White Background



This preview shows how the XYZ color 44.2777, 49.5217, 7.2250 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 44.2777, 49.5217, 7.2250 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 44.2777, 49.5217, 7.2250

Background



This preview shows how black text looks on a background with the XYZ color 44.2777, 49.5217, 7.2250.

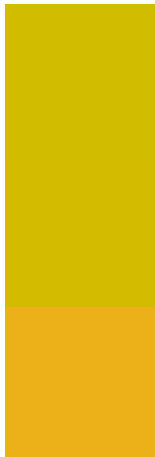


This preview shows how white text looks on a background with the XYZ color 44.2777, 49.5217,

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

44.2777, 49.5217, 7.2250

Protanopia

44.6343, 49.3895, 7.1807

Deuteranopia

50.4791, 49.3431, 7.7278



Tritanopia

53.9223, 49.5064, 54.2906

Trichromacy



Original Color

44.2777, 49.5217, 7.2250

Protanomaly

44.3487, 49.2423, 7.1673

Deuteranomaly

47.9741, 49.2510, 7.4298

Tritanomaly

48.0303, 48.5975, 24.6181

Monochromacy



Original Color

44.2777, 49.5217, 7.2250

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.9846, 43.4057, 21.0753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2777, 49.5217, 7.2250 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(209, 188, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 188, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 188, 0) }
```

Border

The CSS property to change the border of an element to XYZ 44.2777, 49.5217, 7.2250 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(209, 188, 0) }
```


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

```
.border{ border-color:rgb(209, 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(209, 188, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 188, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 188, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 188,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2777, 49.5217, 7.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 188, 0) }
```

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

```
.background{ background-color: rgb(209,  
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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