

Converting Colors

XYZ(44.9022, 50.1473, 7.9746)

Have a look what the booklet for
XYZ(44.9022, 50.1473, 7.9746)
contains.

XYZ(44.9022, 50.1473, 7.9746)	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(44.9022, 50.1473,
7.9746)**

Conversions

Conversions Part 1

Format	Color
Hex	D2BD14
RGB	210, 189, 20
RGB Percent	82%, 74%, 8%
CMY	0.1765, 0.2588, 0.9215
CMYK	0.00, 0.10, 0.90, 0.18
HSL	53°, 83%, 45%
HSV	53°, 90%, 82%
XYZ	44.9022, 50.1473, 7.9746
YIQ	176.0130, 66.7650, -48.1070

Conversions

Conversions Part 2

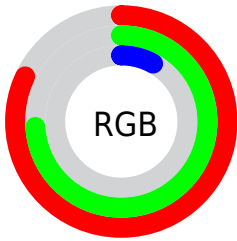
Format	Color
R _Y B	44, 210, 20
Decimal	13810964
CIE Lab	76.16, -7.82, 75.22
CIE LCh	76, 75.623, 95.939
Yxy	50.1473, 0.4358, 0.4868
Android (android.graphics.Color)	4292001044 (0xFFD2BD14)
YUV	176.0130, -76.9144, 29.8066
Hunter-Lab	70.8148, -10.7426, 42.8936

Details

The XYZ color **44.9022, 50.1473, 7.9746** 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 **12.7147, 6.3883, 61.5352**, and the grayscale version is **41.6397, 43.8082, 47.7071**.

A 20% lighter version of the original color is **75.6539, 87.2694, 22.0898**, and **21.5667, 24.1876, 3.5320** is the 20% darker color. If you saturate the color by 10%, you get **44.3048, 49.1549, 7.1527**, and if you desaturate by 10%, it is **45.6806, 51.2657, 9.5866**.

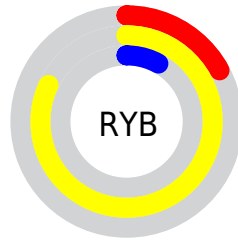
Distribution



Red (82%)

Green (74%)

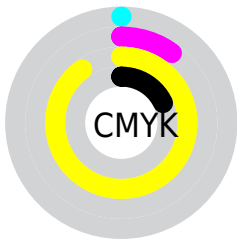
Blue (8%)



Red (17%)

Yellow (82%)

Blue (8%)

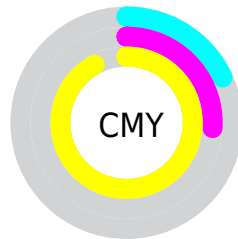


Cyan (0%)

Magenta (10%)

Yellow (90%)

Black (18%)



Cyan (18%)

Magenta (26%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9022, 50.1473, 7.9746 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 44.9022, 50.1473, 7.9746 by changing the saturation by 10% instead.

■ 44.9022, 50.1473,
7.9746

■ 44.9022, 50.1473,
7.9746

357.1677,
387.2417, 185.4598

■ 31.5813, 35.5305,
3.9912

■ 81.8116, 90.3931,
22.4540

■ 21.1959, 24.0718,
1.6205

■ 106.1309,
116.7908, 33.7870

■ 13.3806, 15.3869,
0.3054

■ 134.8470,
147.8843, 48.4070

■ 7.7699, 9.0914,
0.0000

■ 168.3253,
184.0579, 66.7324

■ 3.9986, 4.8008,
0.0000

■ 206.9312,
225.6961, 89.1819

■ 1.7014, 2.1309,
0.0000

■ 251.0299,

■ 0.4571, 0.6819,

273.1831, 116.1739

0.0000

300.9870,
326.9036, 148.1270

■ 0.0000, 0.0000,
0.0000

■ 44.9022, 50.1473,
7.9746

■ 44.9022, 50.1473,
7.9746

■ 44.3048, 49.1549,
7.1527

■ 45.6806, 51.2657,
9.5866

■ 46.6612, 52.4759,
12.2288

■ 47.8725, 53.7913,
16.0457

■ 49.3374, 55.2211,
21.1583

■ 51.0760, 56.7733,
27.6725

■ 53.1065, 58.4554,
35.6831

■ 55.4453, 60.2740,
45.2768

■ 58.1076, 62.2351,
56.5337

■ 61.1077, 64.3446,
69.5283

Harmonies

Analogous

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



59.6458, 50.1473, 9.8703



44.9022, 50.1473, 7.9746



33.4054, 50.1473, 12.6801

Triad

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



44.9022, 50.1473, 7.9746



28.8463, 50.1473, 114.3294



77.0907, 50.1473, 92.9541

Complementary

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



44.9022, 50.1473, 7.9746



12.7147, 6.3883, 61.5352

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.



65.4919, 50.1473, 145.1685



44.9022, 50.1473, 7.9746



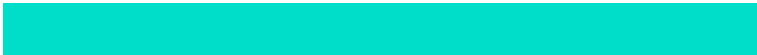
37.4041, 50.1473, 161.2051

Square

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



44.9022, 50.1473, 7.9746



25.3913, 50.1473, 63.0716



50.5358, 50.1473, 174.6420



80.1891, 50.1473, 46.9265

Rectangle

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



44.9022, 50.1473, 7.9746



28.4819, 50.1473, 21.5428



50.5358, 50.1473, 174.6420



73.9583, 50.1473, 110.9390

Sweetspot

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



44.9033, 50.1497, 7.9756



83.4997, 91.5731, 59.8125



27.2496, 14.3707, 3.5448



17.6170, 19.3976, 11.7683



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.



44.9033, 50.1497, 7.9756



68.6605, 76.1010, 11.0702



33.5174, 51.4762, 8.8318



12.6872, 13.5651, 12.5617



27.0714, 30.0757, 4.3784



1.5462, 1.7468, 0.2557

Inverse Universe

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



12.7147, 6.3883, 61.5352



18.4695, 8.0590, 95.1898



16.3812, 7.4727, 61.5513



11.2674, 11.6250, 14.8936



7.3220, 3.2906, 37.4417



0.4457, 0.2566, 2.1056

Previews

White Background



This preview shows how the XYZ color 44.9022, 50.1473, 7.9746 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 44.9022, 50.1473, 7.9746 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 44.9022, 50.1473, 7.9746

Background



This preview shows how black text looks on a background with the XYZ color 44.9022, 50.1473, 7.9746.

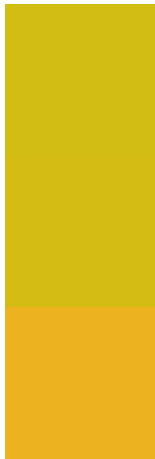


This preview shows how white text looks on a background with the XYZ color 44.9022, 50.1473,

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

44.9022, 50.1473, 7.9746

Protanopia

45.2609, 50.0140, 7.9300

Deuteranopia

51.0928, 49.9442, 8.2436



Tritanopia

54.5294, 50.0969, 54.9398

Trichromacy



Original Color

44.9022, 50.1473, 7.9746

Protanomaly

44.9735, 49.8658, 7.9165

Deuteranomaly

48.6043, 49.8659, 8.1003

Tritanomaly

49.0354, 49.3580, 27.3647

Monochromacy



Original Color

44.9022, 50.1473, 7.9746

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.5927, 45.0710, 24.0129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9022, 50.1473, 7.9746 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(210, 189, 20)` looks like.

```
.text, #text, p{  
    color:rgb(210, 189, 20)  
}
```

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(210, 189, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 189, 20) }
```

Border

The CSS property to change the border of an element to XYZ 44.9022, 50.1473, 7.9746 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(210, 189, 20) }
```


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

```
.border{ border-color:rgb(210, 189, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 189, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 189, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 189, 20);  
box-shadow:4px 4px 4px 4px rgb(210, 189,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9022, 50.1473, 7.9746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 189, 20) }
```

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

```
.background{ background-color: rgb(210,  
189, 20) }
```

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