

Converting Colors

XYZ(41.8249, 49.2302, 7.2980)

Have a look what the booklet for
XYZ(41.8249, 49.2302, 7.2980)
contains.

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Color

**XYZ(41.9195, 49.2674,
7.3002)**

Conversions

Conversions Part 1

Format	Color
Hex	C6BF00
RGB	198, 191, 0
RGB Percent	78%, 75%, 0%
CMY	0.2235, 0.2510, 0.9999
CMYK	0.00, 0.04, 1.00, 0.22
HSL	58°, 100%, 39%
HSV	58°, 100%, 78%
XYZ	41.9195, 49.2674, 7.3002
YIQ	171.3190, 65.4830, -57.9170

Conversions

Conversions Part 2

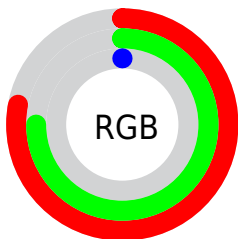
Format	Color
R_YB	7, 198, 0
Decimal	13025024
CIE Lab	75.62, -14.31, 76.71
CIE LCh	76, 78.034, 100.565
Yxy	49.2674, 0.4256, 0.5002
Android (android.graphics.Color)	4291215104 (0xFFC6BF00)
YUV	171.3190, -84.4603, 23.3992
Hunter-Lab	70.1907, -16.2296, 42.9671

Details

The XYZ color **41.9195, 49.2674, 7.3002** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed orange. A complement of this color would be **10.2694, 4.2296, 53.7007**, and the grayscale version is **39.2605, 41.3051, 44.9812**.

A 20% lighter version of the original color is **76.0238, 88.3907, 21.0369**, and **19.7359, 23.6659, 3.5278** is the 20% darker color. If you saturate the color by 10%, you get **41.9203, 49.2693, 7.3005**, and if you desaturate by 10%, it is **42.1981, 49.6254, 8.0081**.

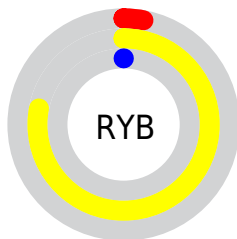
Distribution



Red (78%)

Green (75%)

Blue (0%)



Red (3%)

Yellow (78%)

Blue (0%)

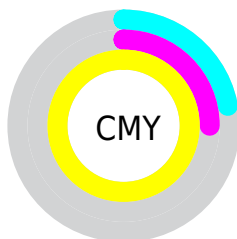


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9195, 49.2674, 7.3002 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 41.9195, 49.2674, 7.3002 by changing the saturation by 10% instead.

41.9195, 49.2674,
7.3002

41.9195, 49.2674,
7.3002

345.1464,
383.7941, 179.8598

29.2291, 34.8316,
3.5693

77.3437, 89.0885,
21.0977

19.3993, 23.5332,
1.3921

100.8082,
115.2426, 32.0014

12.0649, 14.9877,
0.1356

128.5948,
146.0716, 46.1330

6.8604, 8.8108,
0.0000

161.0688,
181.9599, 63.9111

3.4205, 4.6180,
0.0000

198.5957,
223.2919, 85.7544

1.3798, 2.0249,
0.0000

241.5406,

0.2418, 0.6219,

270.4520, 112.0812

0.0000

290.2691,
323.8246, 143.3102

■ 0.0000, 0.0000,
0.0000

■ 41.9195, 49.2674,
7.3002

■ 41.9195, 49.2674,
7.3002

■ 41.9203, 49.2693,
7.3005

■ 42.1981, 49.6254,
8.0081

■ 42.6036, 50.0334,
9.3859

■ 43.1818, 50.5117,
11.6691

■ 43.9559, 51.0695,
14.9802

■ 44.9455, 51.7147,
19.4229

■ 46.1680, 52.4542,
25.0881

■ 47.6388, 53.2942,
32.0574

■ 49.3722, 54.2404,
40.4056

■ 51.3812, 55.2980,
50.2017

Harmonies

Analogous

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



56.6844, 49.2674, 8.1749



41.9195, 49.2674, 7.3002



30.9951, 49.2674, 13.0789

Triad

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



41.9195, 49.2674, 7.3002



28.7463, 49.2674, 123.7330



78.1863, 49.2674, 84.6831

Complementary

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



41.9195, 49.2674, 7.3002



10.2694, 4.2296, 53.7007

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.



67.2989, 49.2674, 139.5389



41.9195, 49.2674, 7.3002



38.1846, 49.2674, 168.9657

Square

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



41.9195, 49.2674, 7.3002



24.4959, 49.2674, 69.5811



52.1037, 49.2674, 175.8959



79.7605, 49.2674, 40.3473

Rectangle

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



41.9195, 49.2674, 7.3002



26.5728, 49.2674, 23.2916



52.1037, 49.2674, 175.8959



75.4029, 49.2674, 102.9662

Sweetspot

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



41.9206, 49.2697, 7.3012



84.2301, 94.3024, 56.1459



23.3431, 12.0279, 1.3762



17.7802, 20.0443, 10.8349



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.



41.9206, 49.2697, 7.3012



74.1933, 87.1667, 12.9144



26.4896, 43.6333, 7.0266



11.4905, 12.3502, 11.3410



27.2759, 32.0690, 4.7523



1.3018, 1.5390, 0.2284

Inverse Universe

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



10.2694, 4.2296, 53.7007



18.1478, 7.4155, 95.0826



14.3238, 6.2071, 53.8687



10.0862, 10.3465, 13.3830



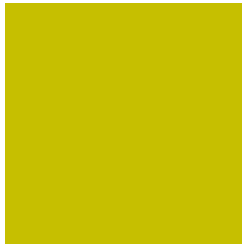
6.6914, 2.7767, 34.9276



0.3276, 0.1529, 1.6574

Previews

White Background



This preview shows how the XYZ color 41.9195, 49.2674, 7.3002 looks on a white background.

Color Contrast Check

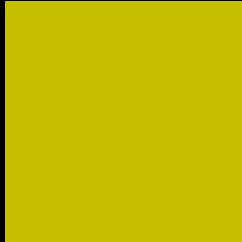
Large Text (above 18pt) WCAG AA × Fail

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 41.9195, 49.2674, 7.3002 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 41.9195, 49.2674, 7.3002

Background



This preview shows how black text looks on a background with the XYZ color 41.9195, 49.2674, 7.3002.



This preview shows how white text looks on a background with the XYZ color 41.9195, 49.2674,

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

41.9195, 49.2674, 7.3002

Protanopia

44.3487, 49.2423, 7.1673

Deuteranopia

50.1927, 49.1903, 7.9478



Tritanopia

51.9027, 49.3040, 56.0713

Trichromacy



Original Color

41.9195, 49.2674, 7.3002

Protanomaly

43.4368, 49.0883, 7.1856

Deuteranomaly

46.9613, 49.0292, 7.5607

Tritanomaly

45.8999, 48.3939, 25.3341

Monochromacy



Original Color

41.9195, 49.2674, 7.3002

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.7368, 42.7687, 20.7342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9195, 49.2674, 7.3002 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(198, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 191, 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(198, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.9195, 49.2674, 7.3002 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(198, 191, 0) }
```


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

```
.border{ border-color:rgb(198, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9195, 49.2674, 7.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 191, 0) }
```

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

```
.background{ background-color: rgb(198,  
191, 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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