

Converting Colors

XYZ(41.8071, 37.9805, 5.1275)

Have a look what the booklet for
XYZ(41.8071, 37.9805, 5.1275)
contains.

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Color

**XYZ(41.8071, 37.9805,
5.1275)**

Conversions

Conversions Part 1

Format	Color
Hex	E09700
RGB	224, 151, 0
RGB Percent	88%, 59%, 0%
CMY	0.1216, 0.4078, 0.9999
CMYK	0.00, 0.33, 1.00, 0.12
HSL	40°, 100%, 44%
HSV	40°, 100%, 88%
XYZ	41.8071, 37.9805, 5.1275
YIQ	155.6130, 91.9790, -31.4850

Conversions

Conversions Part 2

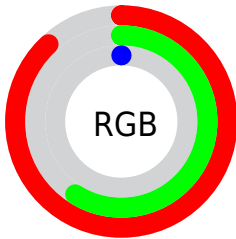
Format	Color
RYB	108, 224, 0
Decimal	14718720
CIELab	68.01, 18.16, 72.61
CIELCh	68, 74.851, 75.960
Yxy	37.9805, 0.4923, 0.4473
Android (android.graphics.Color)	4292908800 (0xFFE09700)
YUV	155.6130, -76.7172, 59.9754
Hunter-Lab	61.6283, 13.2403, 38.2069

Details

The XYZ color **41.8071, 37.9805, 5.1275** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **15.8376, 10.1478, 71.6445**, and the grayscale version is **31.7312, 33.3837, 36.3549**.

A 20% lighter version of the original color is **64.3413, 65.4306, 15.8948**, and **19.6614, 16.9009, 2.2259** is the 20% darker color. If you saturate the color by 10%, you get **41.8072, 37.9810, 5.1276**, and if you desaturate by 10%, it is **43.1682, 40.4650, 6.3154**.

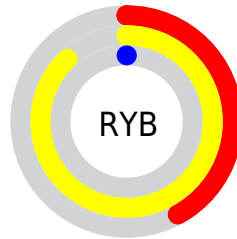
Distribution



Red (88%)

Green (59%)

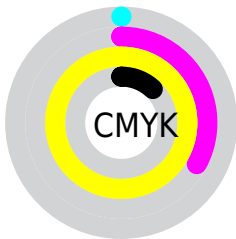
Blue (0%)



Red (42%)

Yellow (88%)

Blue (0%)

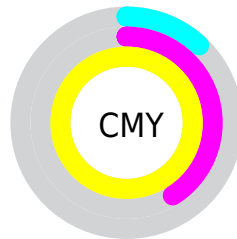


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8071, 37.9805, 5.1275 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 41.8071, 37.9805, 5.1275 by changing the saturation by 10% instead.

41.8071, 37.9805,
5.1275

41.8071, 37.9805,
5.1275

344.6879,
337.5363, 160.0361

29.1407, 25.9676,
2.2622

77.1746, 72.0782,
16.5364

19.3321, 16.7994,
0.7099

100.6064, 94.9318,
25.9170

12.0159, 10.0915,
0.0000

128.3574,
122.1678, 38.3065

6.8268, 5.4597,
0.0000

160.7930,
154.1704, 54.1235

3.3994, 2.5194,
0.0000

198.2785,
191.3242, 73.7864

1.3683, 0.8863,
0.0000

241.1792,

0.2335, 0.0000,

234.0135, 97.7137

0.0000

289.8606,
282.6228, 126.3241

0.0000, 0.0000,
0.0000

41.8071, 37.9805,
5.1275

41.8071, 37.9805,
5.1275

41.8072, 37.9810,
5.1276

43.1682, 40.4650,
6.3154

44.7750, 43.1645,
8.4355

46.6852, 46.1059,
11.7825

48.9320, 49.3042,
16.5244

51.5432, 52.7726,
22.8025

■ 54.5436, 56.5227,
30.7407

■ 57.9551, 60.5652,
40.4502

■ 61.7982, 64.9100,
52.0324

■ 66.0917, 69.5663,
65.5811

Harmonies

Analogous

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



54.0051, 37.9805, 10.2669



41.8071, 37.9805, 5.1275



30.2868, 37.9805, 5.2671

Triad

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



41.8071, 37.9805, 5.1275



18.5698, 37.9805, 61.6079



54.7022, 37.9805, 103.8525

Complementary

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



41.8071, 37.9805, 5.1275



15.8376, 10.1478, 71.6445

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.



42.6116, 37.9805, 138.6981



41.8071, 37.9805, 5.1275



22.6662, 37.9805, 106.6858

Square

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



41.8071, 37.9805, 5.1275



18.4454, 37.9805, 27.6691



30.9362, 37.9805, 139.9482



62.4639, 37.9805, 58.9394

Rectangle

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



41.8071, 37.9805, 5.1275



24.4844, 37.9805, 8.1399



30.9362, 37.9805, 139.9482



50.9058, 37.9805, 117.9846

Sweetspot

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



41.8079, 37.9824, 5.1282



77.6425, 81.1271, 53.9501



31.9993, 16.3510, 8.0680



16.1890, 16.8620, 10.3045



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.



41.8079, 37.9824, 5.1282



55.9735, 50.7270, 6.8412



47.0680, 63.8340, 9.8408



14.4756, 15.2372, 14.4849



24.4438, 22.3255, 3.0209



1.7748, 1.7084, 0.2362

Inverse Universe

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



15.8376, 10.1478, 71.6445



21.1509, 13.4218, 96.0836



14.2300, 5.7818, 70.8865



13.3150, 13.9691, 17.3822



9.3115, 6.0925, 41.7336



0.7250, 0.5815, 2.9193

Previews

White Background



This preview shows how the XYZ color 41.8071, 37.9805, 5.1275 looks on a white background.

Color Contrast Check

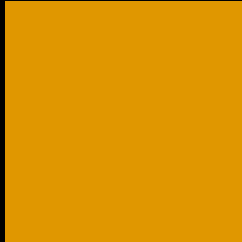
Large Text (above 18pt) WCAG AA × Fail

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 41.8071, 37.9805, 5.1275 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 41.8071, 37.9805, 5.1275

Background



This preview shows how black text looks on a background with the XYZ color 41.8071, 37.9805, 5.1275.



This preview shows how white text looks on a background with the XYZ color 41.8071, 37.9805,

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

41.8071, 37.9805, 5.1275

Protanopia

34.3985, 38.2367, 6.0194

Deuteranopia

38.8052, 38.1554, 5.3195



Tritanopia

47.5971, 37.8135, 34.0683

Trichromacy



Original Color

41.8071, 37.9805, 5.1275

Protanomaly

36.6191, 37.7910, 5.6515

Deuteranomaly

39.7457, 37.8898, 5.2186

Tritanomaly

44.0795, 37.2850, 15.9398

Monochromacy



Original Color

41.8071, 37.9805, 5.1275

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.8638, 33.8358, 16.6032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8071, 37.9805, 5.1275 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(224, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 151, 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(224, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 151, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.8071, 37.9805, 5.1275 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(224, 151, 0) }
```


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

```
.border{ border-color:rgb(224, 151, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 151, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 151,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8071, 37.9805, 5.1275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 151, 0) }
```

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

```
.background{ background-color: rgb(224,  
151, 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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