

Converting Colors

XYZ(41.0398, 37.8142, 5.1358)

Have a look what the booklet for
XYZ(41.0398, 37.8142, 5.1358)
contains.

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Color

**XYZ(41.0470, 37.8286,
5.1382)**

Conversions

Conversions Part 1

Format	Color
Hex	DD9800
RGB	221, 152, 0
RGB Percent	87%, 60%, 0%
CMY	0.1333, 0.4039, 1.0000
CMYK	0.00, 0.31, 1.00, 0.13
HSL	41°, 100%, 43%
HSV	41°, 100%, 87%
XYZ	41.0470, 37.8286, 5.1382
YIQ	155.3030, 89.9160, -32.6440

Conversions

Conversions Part 2

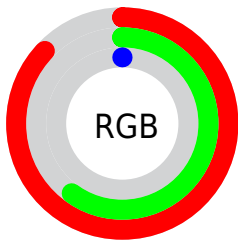
Format	Color
RYB	100, 221, 0
Decimal	14522368
CIELab	67.89, 16.32, 72.37
CIElCh	68, 74.189, 77.290
Yxy	37.8286, 0.4886, 0.4503
Android (android.graphics.Color)	4292712448 (0xFFDD9800)
YUV	155.3030, -76.5644, 57.6163
Hunter-Lab	61.5050, 11.4931, 38.1003

Details

The XYZ color **41.0470, 37.8286, 5.1382** 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 **15.1796, 9.4773, 69.4353**, and the grayscale version is **31.5927, 33.2380, 36.1962**.

A 20% lighter version of the original color is **64.5813, 65.9106, 15.9748**, and **19.1509, 16.7809, 2.2297** is the 20% darker color. If you saturate the color by 10%, you get **41.0472, 37.8293, 5.1384**, and if you desaturate by 10%, it is **42.3464, 40.1943, 6.2911**.

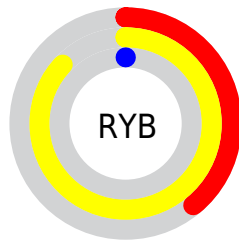
Distribution



Red (87%)

Green (60%)

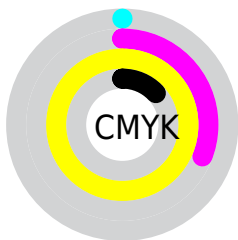
Blue (0%)



Red (39%)

Yellow (87%)

Blue (0%)

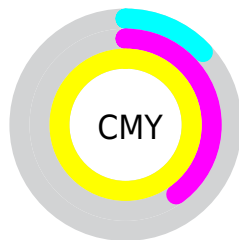


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.0470, 37.8286, 5.1382 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 41.0470, 37.8286, 5.1382 by changing the saturation by 10% instead.


 41.0470, 37.8286,
5.1382


 41.0470, 37.8286,
5.1382


341.5762,
336.8841, 160.1422

 28.5436, 25.8497,
2.2684


 76.0295, 71.8454,
16.5597

 18.8784, 16.7112,
0.7134


 99.2393, 94.6520,
25.9485


 11.6859, 10.0288,
0.0000


 126.7487,
121.8366, 38.3474

 6.6009, 5.4181,
0.0000

 158.9230,
153.7837, 54.1749

 3.2579, 2.4946,
0.0000

 196.1276,
190.8776, 73.8496

 1.2916, 0.8739,
0.0000

 238.7277,

 0.1769, 0.0000,

233.5027, 97.7900

0.0000

287.0888,
282.0434, 126.4147

0.0000, 0.0000,
0.0000

41.0470, 37.8286,
5.1382

41.0470, 37.8286,
5.1382

41.0472, 37.8293,
5.1384

42.3464, 40.1943,
6.2911

43.8780, 42.7572,
8.3441

45.6982, 45.5433,
11.5847

47.8387, 48.5666,
16.1751

50.3263, 51.8398,
22.2519

■ 53.1848, 55.3736,
29.9348

■ 56.4354, 59.1783,
39.3315

■ 60.0977, 63.2631,
50.5399

■ 64.1897, 67.6368,
63.6508

Harmonies

Analogous

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



53.1511, 37.8286, 9.9654



41.0470, 37.8286, 5.1382



29.7707, 37.8286, 5.4725

Triad

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



41.0470, 37.8286, 5.1382



18.6940, 37.8286, 63.0426



54.7904, 37.8286, 100.8676

Complementary

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



41.0470, 37.8286, 5.1382



15.1796, 9.4773, 69.4353

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.



42.9413, 37.8286, 136.1765



41.0470, 37.8286, 5.1382



22.9365, 37.8286, 107.5150

Square

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



41.0470, 37.8286, 5.1382



18.3996, 37.8286, 28.7590



31.3025, 37.8286, 139.1064



62.1511, 37.8286, 56.7660

Rectangle

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



41.0470, 37.8286, 5.1382



24.1451, 37.8286, 8.5432



31.3025, 37.8286, 139.1064



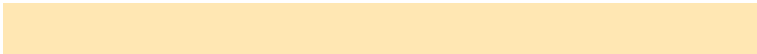
51.0978, 37.8286, 114.9851

Sweetspot

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



41.0478, 37.8305, 5.1389



77.9347, 81.7115, 54.0475



30.9239, 15.8144, 7.2155



16.2590, 17.0018, 10.3278



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.



41.0478, 37.8305, 5.1389



56.6456, 52.0713, 7.0652



44.7918, 61.4741, 9.5052



13.8015, 14.5423, 13.8051



23.9505, 22.1865, 3.0201



1.6272, 1.5885, 0.2209

Inverse Universe

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



15.1796, 9.4773, 69.4353



20.8903, 12.9006, 95.9968



13.9468, 5.6824, 68.7677



12.6687, 13.2772, 16.5472



8.9071, 5.6837, 40.3660



0.6527, 0.5195, 2.6403

Previews

White Background



This preview shows how the XYZ color 41.0470, 37.8286, 5.1382 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 41.0470, 37.8286, 5.1382 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 41.0470, 37.8286, 5.1382

Background



This preview shows how black text looks on a background with the XYZ color 41.0470, 37.8286, 5.1382.



This preview shows how white text looks on a background with the XYZ color 41.0470, 37.8286,

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

41.0470, 37.8286, 5.1382

Protanopia

34.2090, 37.8689, 5.9219

Deuteranopia

38.6353, 37.8156, 5.2628



Tritanopia

47.1873, 37.8107, 34.5169

Trichromacy



Original Color

41.0470, 37.8286, 5.1382

Protanomaly

36.3474, 37.6516, 5.6102

Deuteranomaly

39.4529, 37.7388, 5.2049

Tritanomaly

43.3344, 37.1214, 16.1904

Monochromacy



Original Color

41.0470, 37.8286, 5.1382

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.3981, 33.5958, 16.5814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0470, 37.8286, 5.1382 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(221, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 152, 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(221, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 152, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.0470, 37.8286, 5.1382 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(221, 152, 0) }
```


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

```
.border{ border-color:rgb(221, 152, 0) }
```

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

Here you see how a box with a 4 pixel rgb(221, 152, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 152,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0470, 37.8286, 5.1382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 152, 0) }
```

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

```
.background{ background-color: rgb(221,  
152, 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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