

Converting Colors

XYZ(41.1905, 37.7882, 5.1229)

Have a look what the booklet for
XYZ(41.1905, 37.7882, 5.1229)
contains.

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Color

**XYZ(41.3524, 37.9861,
5.1525)**

Conversions

Conversions Part 1

Format	Color
Hex	DE9800
RGB	222, 152, 0
RGB Percent	87%, 60%, 0%
CMY	0.1294, 0.4039, 1.0000
CMYK	0.00, 0.32, 1.00, 0.13
HSL	41°, 100%, 44%
HSV	41°, 100%, 87%
XYZ	41.3524, 37.9861, 5.1525
YIQ	155.6020, 90.5120, -32.4320

Conversions

Conversions Part 2

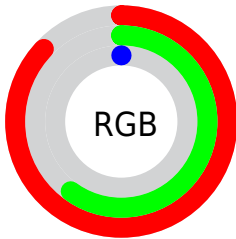
Format	Color
RYB	102, 222, 0
Decimal	14587904
CIELab	68.01, 16.76, 72.50
CIElCh	68, 74.416, 76.987
Yxy	37.9861, 0.4894, 0.4496
Android (android.graphics.Color)	4292777984 (0xFFDE9800)
YUV	155.6020, -76.7118, 58.2310
Hunter-Lab	61.6329, 11.9066, 38.1864

Details

The XYZ color **41.3524, 37.9861, 5.1525** 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 **15.3753, 9.6548, 70.1597**, and the grayscale version is **31.7267, 33.3790, 36.3497**.

A 20% lighter version of the original color is **64.5813, 65.9106, 15.9748**, and **19.3516, 16.8844, 2.2391** is the 20% darker color. If you saturate the color by 10%, you get **41.3526, 37.9868, 5.1527**, and if you desaturate by 10%, it is **42.6699, 40.3866, 6.3162**.

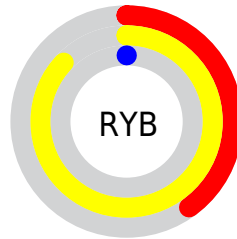
Distribution



Red (87%)

Green (60%)

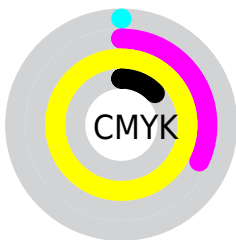
Blue (0%)



Red (40%)

Yellow (87%)

Blue (0%)

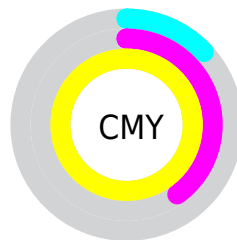


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3524, 37.9861, 5.1525 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 41.3524, 37.9861, 5.1525 by changing the saturation by 10% instead.


 41.3524, 37.9861,
5.1525


 41.3524, 37.9861,
5.1525


342.8288,
337.5603, 160.2837


 28.7834, 25.9719,
2.2767


 76.4899, 72.0868,
16.5909

 19.0605, 16.8026,
0.7181


 99.7891, 94.9422,
25.9906

 11.8183, 10.0939,
0.0000


 127.3958,
122.1800, 38.4020

 6.6914, 5.4612,
0.0000

 159.6754,
154.1847, 54.2437

 3.3145, 2.5203,
0.0000

 196.9931,
191.3407, 73.9341

 1.3222, 0.8868,
0.0000


 239.7143,


 0.1997, 0.0000,


234.0324, 97.8919


0.0000


 288.2044,
282.6441, 126.5356


 0.0000, 0.0000,
0.0000


 41.3524, 37.9861,
5.1525


 41.3524, 37.9861,
5.1525


 41.3526, 37.9868,
5.1527

 42.6699, 40.3866,
6.3162

 44.2235, 42.9889,
8.3905

 46.0700, 45.8192,
11.6651

 48.2414, 48.8921,
16.3042

 50.7650, 52.2200,
22.4460

■ 53.6649, 55.8142,
30.2116

■ 56.9624, 59.6849,
39.7097

■ 60.6775, 63.8416,
51.0396

■ 64.8283, 68.2932,
64.2928

Harmonies

Analogous

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



53.5172, 37.9861, 10.0658



41.3524, 37.9861, 5.1525



29.9843, 37.9861, 5.4431

Triad

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



41.3524, 37.9861, 5.1525



18.7266, 37.9861, 62.9196



54.9485, 37.9861, 101.8688

Complementary

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



41.3524, 37.9861, 5.1525



15.3753, 9.6548, 70.1597

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.



43.0058, 37.9861, 137.1895



41.3524, 37.9861, 5.1525



22.9495, 37.9861, 107.6757

Square

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



41.3524, 37.9861, 5.1525



18.4699, 37.9861, 28.6024



31.3208, 37.9861, 139.7496



62.4242, 37.9861, 57.4398

Rectangle

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



41.3524, 37.9861, 5.1525



24.3005, 37.9861, 8.4782



31.3208, 37.9861, 139.7496



51.2203, 37.9861, 116.0361

Sweetspot

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



41.3532, 37.9880, 5.1532



77.8684, 81.5789, 54.0254



31.2392, 15.9758, 7.2826



16.2431, 16.9701, 10.3225



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.



41.3532, 37.9880, 5.1532



56.4920, 51.7639, 7.0140



45.2479, 62.1023, 9.6025



14.4882, 15.2624, 14.4891



24.6667, 22.7713, 3.0952



1.7889, 1.7368, 0.2409

Inverse Universe

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



15.3753, 9.6548, 70.1597



20.9481, 13.0163, 96.0160



14.0877, 5.7396, 69.4719



13.3030, 13.9450, 17.3782



9.2205, 5.9105, 41.7032



0.7176, 0.5666, 2.9168

Previews

White Background



This preview shows how the XYZ color 41.3524, 37.9861, 5.1525 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 41.3524, 37.9861, 5.1525 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 41.3524, 37.9861, 5.1525

Background



This preview shows how black text looks on a background with the XYZ color 41.3524, 37.9861, 5.1525.



This preview shows how white text looks on a background with the XYZ color 41.3524, 37.9861,

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

41.3524, 37.9861, 5.1525

Protanopia

34.3915, 38.2339, 5.9827

Deuteranopia

38.8052, 38.1554, 5.3195



Tritanopia

47.5055, 37.9748, 34.5318

Trichromacy



Original Color

41.3524, 37.9861, 5.1525

Protanomaly

36.7891, 38.1397, 5.6812

Deuteranomaly

39.6200, 38.0731, 5.2606

Tritanomaly

43.6471, 37.2826, 16.2051

Monochromacy



Original Color

41.3524, 37.9861, 5.1525

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.7959, 34.0468, 16.6475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3524, 37.9861, 5.1525 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(222, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 152, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.3524, 37.9861, 5.1525 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(222, 152, 0) }
```


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

```
.border{ border-color:rgb(222, 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(222, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 152,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3524, 37.9861, 5.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 152, 0) }
```

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

```
.background{ background-color: rgb(222,  
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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