

Converting Colors

XYZ(41.4746, 37.1697, 5.8196)

Have a look what the booklet for
XYZ(41.4746, 37.1697, 5.8196)
contains.

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Color

**XYZ(41.4850, 37.0890,
5.7830)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E09417 |
| RGB | 224, 148, 23 |
| RGB Percent | 88%, 58%, 9% |
| CMY | 0.1216, 0.4196, 0.9098 |
| CMYK | 0.00, 0.34, 0.90, 0.12 |
| HSL | 37°, 81%, 48% |
| HSV | 37°, 90%, 88% |
| XYZ | 41.4850, 37.0890, 5.7830 |
| YIQ | 156.4740, 85.4210, -22.7630 |

Conversions

Conversions Part 2

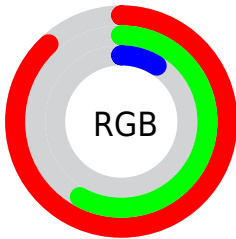
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 145, 224, 23 |
| Decimal | 14717975 |
| CIELab | 67.34, 20.03, 68.52 |
| CIELCh | 67, 71.387, 73.701 |
| Yxy | 37.0890, 0.4918, 0.4397 |
| Android (android.graphics.Color) | 4292908055 (0xFFE09417) |
| YUV | 156.4740, -65.8027, 59.2203 |
| Hunter-Lab | 60.9007, 15.0162, 37.0005 |

Details

The XYZ color **41.4850, 37.0890, 5.7830** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **18.2697, 14.4875, 72.3538**, and the grayscale version is **32.0718, 33.7421, 36.7451**.

A 20% lighter version of the original color is **63.9608, 64.1412, 17.3969**, and **19.3790, 16.3359, 2.1318** is the 20% darker color. If you saturate the color by 10%, you get **40.0541, 34.4698, 4.5597**, and if you desaturate by 10%, it is **43.1901, 39.9766, 7.9638**.

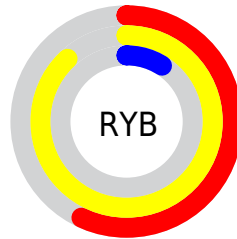
Distribution



Red (88%)

Green (58%)

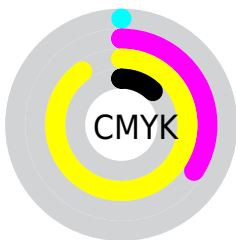
Blue (9%)



Red (57%)

Yellow (88%)

Blue (9%)

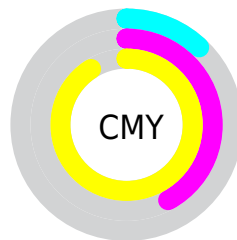


Cyan (0%)

Magenta (34%)

Yellow (90%)

Black (12%)



Cyan (12%)


Magenta (42%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4850, 37.0890, 5.7830 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 41.4850, 37.0890, 5.7830 by changing the saturation by 10% instead.


 41.4850, 37.0890,
5.7830


 41.4850, 37.0890,
5.7830

343.3717,
333.6957, 166.3568

 28.8876, 25.2764,
2.6469


 76.6897, 70.7096,
17.9486


 19.1397, 16.2831,
0.9165


 100.0276, 93.2865,
27.8153

 11.8758, 9.7247,
0.0000


 127.6765,
120.2202, 40.7625

 6.7308, 5.2168,
0.0000

 160.0016,
151.8952, 57.2089

 3.3391, 2.3750,
0.0000

 197.3683,
188.6958, 77.5730

 1.3355, 0.8130,
0.0000

 240.1420,

 0.2096, 0.0000,

231.0065, 102.2733

0.0000

288.6880,
279.2117, 131.7284

■ 0.0000, 0.0000,
0.0000

■ 41.4850, 37.0890,
5.7830

■ 41.4850, 37.0890,
5.7830

■ 40.0541, 34.4698,
4.5597

■ 43.1901, 39.9766,
7.9638

■ 40.0175, 34.4017,
4.5310

■ 45.2228, 43.1525,
11.3837

■ 47.6175, 46.6350,
16.2107

■ 50.4027, 50.4385,
22.5860

■ 53.6036, 54.5762,
30.6330

■ 57.2430, 59.0600,
40.4631

■ 61.3419, 63.9010,
52.1776

■ 65.9195, 69.1097,
65.8703

■ 70.9942, 74.6961,
81.6286

Harmonies

Analogous

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



52.7323, 37.0890, 11.4406



41.4850, 37.0890, 5.7830



30.5050, 37.0890, 5.5918

Triad

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



41.4850, 37.0890, 5.7830



18.5228, 37.0890, 56.3821



51.8559, 37.0890, 101.3942

Complementary

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



41.4850, 37.0890, 5.7830



18.2697, 14.4875, 72.3538

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.



40.4675, 37.0890, 131.6204



41.4850, 37.0890, 5.7830



22.1370, 37.0890, 97.8711

Square

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



41.4850, 37.0890, 5.7830



18.6838, 37.0890, 25.7379



29.6768, 37.0890, 130.0738



59.5144, 37.0890, 59.7395

Rectangle

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



41.4850, 37.0890, 5.7830



24.8299, 37.0890, 8.1555



29.6768, 37.0890, 130.0738



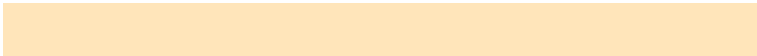
48.2454, 37.0890, 114.0010

Sweetspot

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



41.4858, 37.0909, 5.7837



78.1296, 80.8329, 58.0225



33.3495, 17.3813, 13.6675



16.3375, 16.8384, 11.3418



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.



41.4858, 37.0909, 5.7837



53.5674, 45.9148, 6.0391



50.7767, 65.7279, 10.8215



14.4137, 15.1133, 14.4643



23.4074, 20.2526, 2.6754



1.7079, 1.5746, 0.2139

Inverse Universe

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



18.2697, 14.4875, 72.3538



22.2706, 15.6611, 96.4569



14.9083, 6.5863, 71.0058



13.3746, 14.0883, 17.4021



9.8105, 7.0906, 41.8999



0.7643, 0.6601, 2.9324

Previews

White Background



This preview shows how the XYZ color 41.4850, 37.0890, 5.7830 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 41.4850, 37.0890, 5.7830 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 41.4850, 37.0890, 5.7830

Background



This preview shows how black text looks on a background with the XYZ color 41.4850, 37.0890, 5.7830.



This preview shows how white text looks on a background with the XYZ color 41.4850, 37.0890,

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

41.4850, 37.0890, 5.7830

Protanopia

33.6723, 37.3084, 6.5251

Deuteranopia

37.9802, 37.2185, 5.5976



Tritanopia

47.0669, 37.1381, 32.7046

Trichromacy



Original Color

41.4850, 37.0890, 5.7830

Protanomaly

36.1378, 37.0130, 6.2168

Deuteranomaly

39.2240, 37.1191, 5.6277

Tritanomaly

44.1161, 36.8193, 17.6136

Monochromacy



Original Color

41.4850, 37.0890, 5.7830

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.1541, 33.6889, 18.9426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4850, 37.0890, 5.7830 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, 148, 23)` looks like.

```
.text, #text, p{  
    color:rgb(224, 148, 23)  
}
```

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, 148, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 148, 23) }
```

Border

The CSS property to change the border of an element to XYZ 41.4850, 37.0890, 5.7830 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, 148, 23) }
```


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

```
.border{ border-color:rgb(224, 148, 23) }
```

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

Here you see how a box with a 4 pixel rgb(224, 148, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 148, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 148, 23);  
box-shadow:4px 4px 4px 4px rgb(224, 148,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4850, 37.0890, 5.7830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 148, 23) }
```

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

```
.background{ background-color: rgb(224,  
148, 23) }
```

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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