

Converting Colors

XYZ(41.7130, 41.6397, 10.6892)

Have a look what the booklet for
XYZ(41.7130, 41.6397, 10.6892)
contains.

XYZ(41.7130, 41.6397, 10.6892)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.7130, 41.6397,
10.6892)**

Conversions

Conversions Part 1

Format	Color
Hex	D4A640
RGB	212, 166, 64
RGB Percent	83%, 65%, 25%
CMY	0.1686, 0.3490, 0.7490
CMYK	0.00, 0.22, 0.70, 0.17
HSL	41°, 63%, 54%
HSV	41°, 70%, 83%
XYZ	41.7130, 41.6397, 10.6892
YIQ	168.1260, 60.1580, -21.9700

Conversions

Conversions Part 2

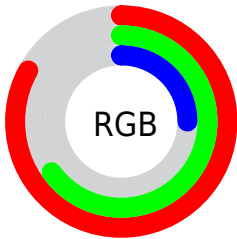
Format	Color
RYB	131, 212, 64
Decimal	13936192
CIELab	70.62, 6.60, 57.09
CIELCh	71, 57.466, 83.406
Yxy	41.6397, 0.4436, 0.4428
Android (android.graphics.Color)	4292126272 (0xFFD4A640)
YUV	168.1260, -51.3341, 38.4775
Hunter-Lab	64.5288, 2.4613, 35.3488

Details

The XYZ color **41.7130, 41.6397, 10.6892** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **19.5736, 16.9946, 64.5355**, and the grayscale version is **37.5060, 39.4592, 42.9711**.

A 20% lighter version of the original color is **70.3073, 74.2573, 27.4571**, and **19.1542, 18.8069, 2.6206** is the 20% darker color. If you saturate the color by 10%, you get **40.0537, 39.1101, 7.7045**, and if you desaturate by 10%, it is **43.6648, 44.3878, 14.9030**.

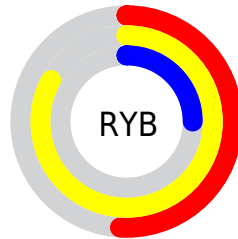
Distribution



Red (83%)

Green (65%)

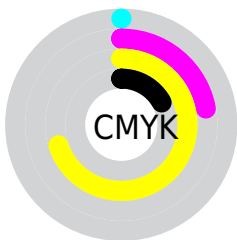
Blue (25%)



Red (51%)

Yellow (83%)

Blue (25%)

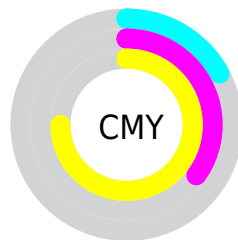


Cyan (0%)

Magenta (22%)

Yellow (70%)

Black (17%)



Cyan (17%)

Magenta (35%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7130, 41.6397, 10.6892 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 41.7130, 41.6397, 10.6892 by changing the saturation by 10% instead.

41.7130, 41.6397,
10.6892

41.7130, 41.6397,
10.6892

344.3037,
352.9872, 206.1830

29.0668, 28.8193,
5.7467

77.0330, 77.6540,
27.7118

19.2759, 18.9441,
2.6254

100.4374,
101.6167, 40.6290

11.9750, 11.6299,
0.9055

128.1586,
130.0623, 57.0416

6.7987, 6.4922,
0.0000

160.5620,
163.3752, 77.3679

3.3817, 3.1466,
0.0000

198.0128,
201.9397, 102.0267

1.3587, 1.2088,
0.0000

240.8765,

0.2265, 0.0688,

246.1402, 131.4365

0.0000

289.5183,
296.3613, 166.0157

■ 0.0000, 0.0000,
0.0000

■ 41.7130, 41.6397,
10.6892

■ 41.7130, 41.6397,
10.6892

■ 40.0537, 39.1101,
7.7045

■ 43.6648, 44.3878,
14.9030

■ 38.6555, 36.7799,
5.8010

■ 45.9304, 47.3594,
20.4662

■ 37.4694, 34.6299,
4.7210

■ 48.5320, 50.5664,
27.4876

■ 37.4479, 34.5904,
4.7029

■ 51.4889, 54.0179,
36.0639

■ 54.8185, 57.7221,
46.2837

■ 58.5372, 61.6871,
58.2286

■ 62.6603, 65.9200,
71.9751

■ 67.2020, 70.4280,
87.5947

■ 72.1761, 75.2177,
105.1553

Harmonies

Analogous

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



51.5013, 41.6397, 14.9635



41.7130, 41.6397, 10.6892



32.7527, 41.6397, 12.2730

Triad

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



41.7130, 41.6397, 10.6892



25.0641, 41.6397, 69.4685



56.1370, 41.6397, 84.2415

Complementary

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



41.7130, 41.6397, 10.6892



19.5736, 16.9946, 64.5355

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.



47.2895, 41.6397, 112.3235



41.7130, 41.6397, 10.6892



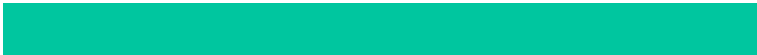
29.6524, 41.6397, 101.6757

Square

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



41.7130, 41.6397, 10.6892



24.0581, 41.6397, 39.5905



37.5157, 41.6397, 119.7319



60.6474, 41.6397, 51.6177

Rectangle

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



41.7130, 41.6397, 10.6892



28.3012, 41.6397, 16.9550



37.5157, 41.6397, 119.7319



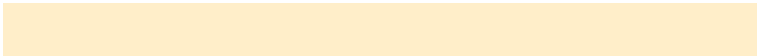
53.5095, 41.6397, 94.9794

Sweetspot

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



41.7140, 41.6417, 10.6900



82.5145, 86.8561, 67.9522



31.8467, 18.8089, 16.9529



17.3519, 18.2496, 13.5840



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.



41.7140, 41.6417, 10.6900



59.7125, 57.5702, 10.0445



44.4442, 57.7545, 13.6562



13.1321, 13.8384, 13.1397



23.2115, 21.5402, 2.9343



1.4722, 1.4436, 0.2010

Inverse Universe

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



19.5736, 16.9946, 64.5355



24.2526, 18.2795, 96.8578



18.0449, 10.6516, 63.3918



12.0543, 12.6321, 15.7404



8.6139, 5.4895, 39.0587



0.5925, 0.4771, 2.3802

Previews

White Background



This preview shows how the XYZ color 41.7130, 41.6397, 10.6892 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 41.7130, 41.6397, 10.6892 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 41.7130, 41.6397, 10.6892

Background



This preview shows how black text looks on a background with the XYZ color 41.7130, 41.6397, 10.6892.



This preview shows how white text looks on a background with the XYZ color 41.7130, 41.6397,

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

41.7130, 41.6397, 10.6892

Protanopia

37.9193, 41.6179, 11.1888

Deuteranopia

42.5485, 41.5315, 10.7749



Tritanopia

48.0769, 41.6270, 42.0601

Trichromacy



Original Color

41.7130, 41.6397, 10.6892

Protanomaly

39.1483, 41.4105, 10.9307

Deuteranomaly

42.4336, 41.7390, 10.8210

Tritanomaly

44.9190, 41.3522, 26.7334

Monochromacy



Original Color

41.7130, 41.6397, 10.6892

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.6151, 39.4395, 26.7491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7130, 41.6397, 10.6892 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(212, 166, 64)` looks like.

```
.text, #text, p{  
    color:rgb(212, 166, 64)  
}
```

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(212, 166, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 166, 64) }
```

Border

The CSS property to change the border of an element to XYZ 41.7130, 41.6397, 10.6892 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(212, 166, 64) }
```


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

```
.border{ border-color:rgb(212, 166, 64) }
```

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

Here you see how a box with a 4 pixel rgb(212, 166, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 166, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 166, 64);  
box-shadow:4px 4px 4px 4px rgb(212, 166,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7130, 41.6397, 10.6892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 166, 64) }
```

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

```
.background{ background-color: rgb(212,  
166, 64) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor