

Converting Colors

XYZ(42.1693, 41.7161, 8.6593)

Have a look what the booklet for
XYZ(42.1693, 41.7161, 8.6593)
contains.

XYZ(42.0130, 41.5707, 8.6059)	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(42.0130, 41.5707,
8.6059)**

Conversions

Conversions Part 1

Format	Color
Hex	D7A530
RGB	215, 165, 48
RGB Percent	84%, 65%, 19%
CMY	0.1569, 0.3529, 0.8117
CMYK	0.00, 0.23, 0.78, 0.16
HSL	42°, 68%, 52%
HSV	42°, 78%, 84%
XYZ	42.0130, 41.5707, 8.6059
YIQ	166.6120, 67.3570, -25.7870

Conversions

Conversions Part 2

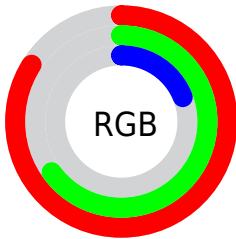
Format	Color
R_{YB}	119, 215, 48
Decimal	14132528
CIE _{Lab}	70.57, 7.71, 63.43
CIE _{LCh}	71, 63.902, 83.067
Yxy	41.5707, 0.4557, 0.4509
Android (android.graphics.Color)	4292322608 (0xFFD7A530)
YUV	166.6120, -58.4757, 42.4363
Hunter-Lab	64.4753, 3.4811, 37.2190

Details

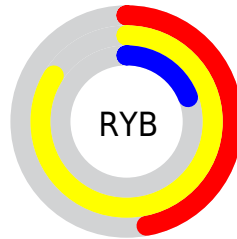
The XYZ color **42.0130, 41.5707, 8.6059** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **17.8523, 14.2697, 66.1031**, and the grayscale version is **36.7952, 38.7115, 42.1568**.

A 20% lighter version of the original color is **69.2814, 73.4257, 23.3530**, and **19.7276, 19.1025, 2.6474** is the 20% darker color. If you saturate the color by 10%, you get **40.5405, 39.1722, 6.4314**, and if you desaturate by 10%, it is **43.7607, 44.1761, 11.9330**.

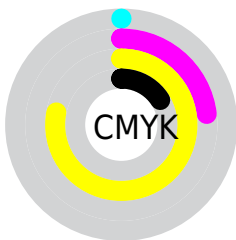
Distribution



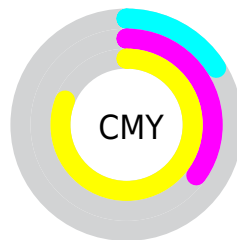
- Red (84%)
- Green (65%)
- Blue (19%)



- Red (47%)
- Yellow (84%)
- Blue (19%)



- Cyan (0%)
- Magenta (23%)
- Yellow (78%)
- Black (16%)



- Cyan (16%)
- Magenta (35%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0130, 41.5707, 8.6059 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 42.0130, 41.5707, 8.6059 by changing the saturation by 10% instead.

42.0130, 41.5707,
8.6059

42.0130, 41.5707,
8.6059

345.5275,
352.7002, 190.5186

29.3026, 28.7653,
4.3917

77.4843, 77.5495,
23.7034

19.4553, 18.9033,
1.8426

100.9760,
101.4916, 35.4239

12.1057, 11.6005,
0.4559

128.7922,
129.9148, 50.4836

6.8884, 6.4722,
0.0000

161.2982,
163.2035, 69.3010

3.4381, 3.1343,
0.0000

198.8593,
201.7419, 92.2946

1.3895, 1.2022,
0.0000

241.8410,

0.2487, 0.0635,

245.9146, 119.8831

0.0000

290.6087,
296.1059, 152.4849

■ 0.0000, 0.0000,
0.0000

■ 42.0130, 41.5707,
8.6059

■ 42.0130, 41.5707,
8.6059

■ 40.5405, 39.1722,
6.4314

■ 43.7607, 44.1761,
11.9330

■ 39.3014, 36.9575,
5.2058

■ 45.8090, 46.9949,
16.5549

■ 39.0321, 36.4628,
4.9808

■ 48.1830, 50.0402,
22.5959

■ 50.9042, 53.3217,
30.1648

■ 53.9920, 56.8485,
39.3598

■ 57.4641, 60.6290,
50.2708

■ 61.3372, 64.6709,
62.9811

■ 65.6265, 68.9816,
77.5686

■ 70.3468, 73.5682,
94.1064

Harmonies

Analogous

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



53.0068, 41.5707, 12.8831



42.0130, 41.5707, 8.6059



32.0804, 41.5707, 10.0790

Triad

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



42.0130, 41.5707, 8.6059



23.6240, 41.5707, 72.0743



58.0593, 41.5707, 89.9513

Complementary

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



42.0130, 41.5707, 8.6059



17.8523, 14.2697, 66.1031

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.



48.0102, 41.5707, 122.5819



42.0130, 41.5707, 8.6059



28.5267, 41.5707, 109.4468

Square

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



42.0130, 41.5707, 8.6059



22.5929, 41.5707, 38.6024



37.1117, 41.5707, 130.9706



63.2812, 41.5707, 52.6498

Rectangle

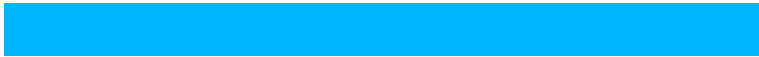
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.0130, 41.5707, 8.6059



27.2085, 41.5707, 14.6917



37.1117, 41.5707, 130.9706



55.0565, 41.5707, 102.4008

Sweetspot

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



42.0139, 41.5728, 8.6067



81.6560, 86.0860, 64.7462



31.2908, 17.4450, 13.2987



17.0895, 17.9986, 12.6528



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.



42.0139, 41.5728, 8.6067



58.4892, 55.5857, 8.2123



44.0311, 58.7106, 11.8083



13.1444, 13.8630, 13.1437



23.4426, 22.0025, 3.0113



1.4847, 1.4687, 0.2052

Inverse Universe

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



17.8523, 14.2697, 66.1031



21.8563, 14.4663, 96.2481



16.7508, 8.7877, 65.1030



12.0427, 12.6087, 15.7365



8.5267, 5.3151, 39.0297



0.5861, 0.4643, 2.3780

Previews

White Background



This preview shows how the XYZ color 42.0130, 41.5707, 8.6059 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 42.0130, 41.5707, 8.6059 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 42.0130, 41.5707, 8.6059

Background



This preview shows how black text looks on a background with the XYZ color 42.0130, 41.5707, 8.6059.



This preview shows how white text looks on a background with the XYZ color 42.0130, 41.5707,

8.6059.

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

42.0130, 41.5707, 8.6059

Protanopia

37.7674, 41.5868, 9.0541

Deuteranopia

42.4242, 41.5160, 8.5737



Tritanopia

48.8700, 41.5524, 41.5211

Trichromacy



Original Color

42.0130, 41.5707, 8.6059

Protanomaly

39.2862, 41.5278, 8.8508

Deuteranomaly

42.1279, 41.3632, 8.5598

Tritanomaly

45.3172, 41.0994, 24.2834

Monochromacy



Original Color

42.0130, 41.5707, 8.6059

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.0415, 38.9180, 24.6284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0130, 41.5707, 8.6059 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(215, 165, 48)` looks like.

```
.text, #text, p{  
    color:rgb(215, 165, 48)  
}
```

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(215, 165, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 165, 48) }
```

Border

The CSS property to change the border of an element to XYZ 42.0130, 41.5707, 8.6059 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(215, 165, 48) }
```


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

```
.border{ border-color:rgb(215, 165, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 165, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 165, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 165, 48);  
box-shadow:4px 4px 4px 4px rgb(215, 165,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0130, 41.5707, 8.6059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 165, 48) }
```

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

```
.background{ background-color: rgb(215,  
165, 48) }
```

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