

Converting Colors

XYZ(41.7038, 42.8550, 6.0738)

Have a look what the booklet for
XYZ(41.7038, 42.8550, 6.0738)
contains.

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Color

**XYZ(41.8153, 42.8956,
6.0758)**

Conversions

Conversions Part 1

Format	Color
Hex	D5AA00
RGB	213, 170, 0
RGB Percent	84%, 67%, 0%
CMY	0.1647, 0.3333, 0.9999
CMYK	0.00, 0.20, 1.00, 0.16
HSL	48°, 100%, 42%
HSV	48°, 100%, 84%
XYZ	41.8153, 42.8956, 6.0758
YIQ	163.4770, 80.1980, -43.7540

Conversions

Conversions Part 2

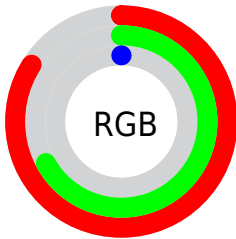
Format	Color
RYB	54, 213, 0
Decimal	14002688
CIELab	71.48, 3.19, 74.41
CIELCh	71, 74.476, 87.543
Yxy	42.8956, 0.4606, 0.4725
Android (android.graphics.Color)	4292192768 (0xFFD5AA00)
YUV	163.4770, -80.5942, 43.4317
Hunter-Lab	65.4947, -0.6519, 40.3461

Details

The XYZ color **41.8153, 42.8956, 6.0758** 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 **12.8746, 6.5327, 63.5326**, and the grayscale version is **35.3838, 37.2265, 40.5397**.

A 20% lighter version of the original color is **69.5404, 75.6605, 18.1465**, and **19.6153, 19.7292, 2.7743** is the 20% darker color. If you saturate the color by 10%, you get **41.8155, 42.8963, 6.0759**, and if you desaturate by 10%, it is **42.7738, 44.5917, 7.0776**.

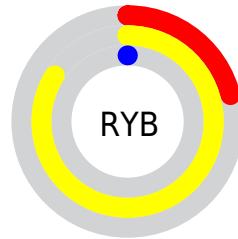
Distribution



Red (84%)

Green (67%)

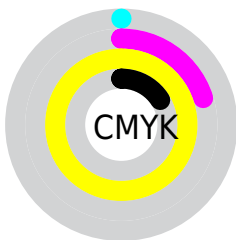
Blue (0%)



Red (21%)

Yellow (84%)

Blue (0%)

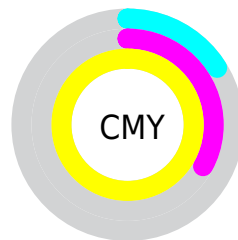


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (16%)



Cyan (16%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8153, 42.8956, 6.0758 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 41.8153, 42.8956, 6.0758 by changing the saturation by 10% instead.

■ 41.8153, 42.8956,
6.0758

■ 41.8153, 42.8956,
6.0758

344.7214,
358.1822, 169.0753

■ 29.1472, 29.8032,
2.8217

■ 77.1869, 79.5533,
18.5684

■ 19.3370, 19.6893,
1.0043

■ 100.6211,
103.8874, 28.6440

■ 12.0195, 12.1694,
0.0000

■ 128.3748,
132.7375, 41.8305

■ 6.8293, 6.8591,
0.0000

■ 160.8131,
166.4880, 58.5464

■ 3.4009, 3.3742,
0.0000

■ 198.3016,
205.5234, 79.2103

■ 1.3692, 1.3301,
0.0000

■ 241.2056,

■ 0.2341, 0.1643,

250.2279, 104.2407

0.0000

289.8904,
300.9861, 134.0562

■ 0.0000, 0.0000,
0.0000

■ 41.8153, 42.8956,
6.0758

■ 41.8153, 42.8956,
6.0758

■ 41.8155, 42.8963,
6.0759

■ 42.7738, 44.5917,
7.0776

■ 43.9105, 46.3998,
8.8906

■ 45.2773, 48.3430,
11.7829

■ 46.9024, 50.4329,
15.9021

■ 48.8098, 52.6794,
21.3727

■ 51.0203, 55.0912,
28.3036

■ 53.5528, 57.6763,
36.7928

■ 56.4244, 60.4418,
46.9298

■ 59.6511, 63.3946,
58.7972

Harmonies

Analogous

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



55.1581, 42.8956, 9.2724



41.8153, 42.8956, 6.0758



30.5893, 42.8956, 8.2994

Triad

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



41.8153, 42.8956, 6.0758



22.8835, 42.8956, 86.5590



64.7407, 42.8956, 94.5427

Complementary

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



41.8153, 42.8956, 6.0758



12.8746, 6.5327, 63.5326

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.



52.9931, 42.8956, 138.8253



41.8153, 42.8956, 6.0758



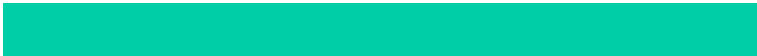
29.1322, 42.8956, 132.7843

Square

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



41.8153, 42.8956, 6.0758



21.0850, 42.8956, 43.8027



39.7442, 42.8956, 155.5326



69.9819, 42.8956, 49.7349

Rectangle

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



41.8153, 42.8956, 6.0758



25.4189, 42.8956, 13.8405



39.7442, 42.8956, 155.5326



61.3173, 42.8956, 110.7038

Sweetspot

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



41.8163, 42.8977, 6.0766



80.3561, 86.5544, 54.8546



27.9369, 14.3449, 3.8981



16.8409, 18.1658, 10.5218



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.



41.8163, 42.8977, 6.0766



62.7201, 64.2201, 9.0900



36.8659, 54.3268, 8.5436



13.2500, 14.0743, 13.1790



25.6171, 26.3514, 3.7362



1.6003, 1.6998, 0.2437

Inverse Universe

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



12.8746, 6.5327, 63.5326



19.2547, 9.6294, 95.4516



13.8958, 5.7764, 63.3328



11.9436, 12.4107, 15.7035



7.9225, 4.1067, 38.8283



0.5375, 0.3670, 2.3618

Previews

White Background



This preview shows how the XYZ color 41.8153, 42.8956, 6.0758 looks on a white background.

Color Contrast Check

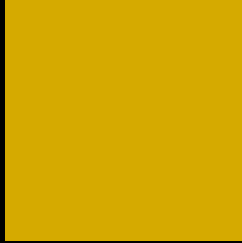
Large Text (above 18pt) WCAG AA × Fail

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 41.8153, 42.8956, 6.0758 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 41.8153, 42.8956, 6.0758

Background



This preview shows how black text looks on a background with the XYZ color 41.8153, 42.8956, 6.0758.



This preview shows how white text looks on a background with the XYZ color 41.8153, 42.8956,

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

41.8153, 42.8956, 6.0758

Protanopia

38.8688, 43.0783, 6.5535

Deuteranopia

43.8397, 42.8337, 6.3726



Tritanopia

49.6068, 42.8856, 43.6934

Trichromacy



Original Color

41.8153, 42.8956, 6.0758

Protanomaly

39.7975, 42.9818, 6.3711

Deuteranomaly

43.0814, 42.7172, 6.2331

Tritanomaly

44.8405, 41.9834, 19.9276

Monochromacy



Original Color

41.8153, 42.8956, 6.0758

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.1910, 38.0957, 18.5951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8153, 42.8956, 6.0758 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(213, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 170, 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(213, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 170, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.8153, 42.8956, 6.0758 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(213, 170, 0) }
```


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

```
.border{ border-color:rgb(213, 170, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 170,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8153, 42.8956, 6.0758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 170, 0) }
```

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

```
.background{ background-color: rgb(213,  
170, 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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