

# Converting Colors

XYZ(40.8365, 41.5333, 8.9873)

Have a look what the booklet for  
XYZ(40.8365, 41.5333, 8.9873)  
contains.

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# Color

**XYZ(40.7108, 41.4318,  
8.9834)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1A733
RGB	209, 167, 51
RGB Percent	82%, 65%, 20%
CMY	0.1804, 0.3451, 0.8000
CMYK	0.00, 0.20, 0.76, 0.18
HSL	44°, 63%, 51%
HSV	44°, 76%, 82%
XYZ	40.7108, 41.4318, 8.9834
YIQ	166.3340, 62.2680, -27.1720

# Conversions

## Conversions Part 2

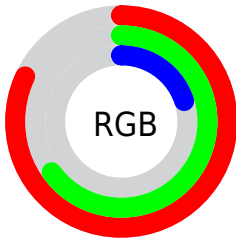
Format	Color
<a href="#">RYB</a>	<a href="#">108, 209, 51</a>
Decimal	<a href="#">13739827</a>
CIELab	<a href="#">70.48, 4.15, 62.03</a>
CIELCh	<a href="#">70, 62.170, 86.169</a>
Yxy	<a href="#">41.4318, 0.4468, 0.4547</a>
Android (android.graphics.Color)	<a href="#">4291929907</a> ( <a href="#">0xFFD1A733</a> )
YUV	<a href="#">166.3340, -56.8597, 37.4181</a>
Hunter-Lab	<a href="#">64.3675, 0.2534, 36.7825</a>

# Details

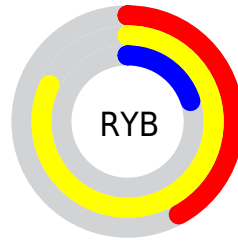
The XYZ color **40.7108, 41.4318, 8.9834** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.7881, 13.1356, 61.9719**, and the grayscale version is **36.6540, 38.5629, 41.9950**.

A 20% lighter version of the original color is **69.9111, 74.5225, 24.0642**, and **18.7084, 18.7455, 2.6322** is the 20% darker color. If you saturate the color by 10%, you get **39.3538, 39.2971, 6.7462**, and if you desaturate by 10%, it is **42.3204, 43.7408, 12.3268**.

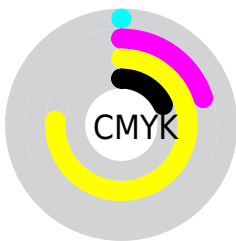
# Distribution



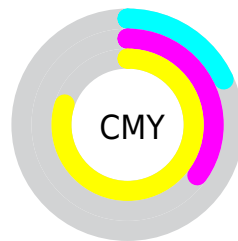
- Red (82%)
- Green (65%)
- Blue (20%)



- Red (42%)
- Yellow (82%)
- Blue (20%)



- Cyan (0%)
- Magenta (20%)
- Yellow (76%)
- Black (18%)



- Cyan (18%)
- Magenta (35%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7108, 41.4318, 8.9834 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 40.7108, 41.4318, 8.9834 by changing the saturation by 10% instead.



40.7108, 41.4318,  
8.9834

40.7108, 41.4318,  
8.9834

340.1937,  
352.1221, 193.4675

28.2799, 28.6566,  
4.6337

75.5222, 77.3389,  
24.4422

18.6783, 18.8212,  
1.9790

98.6333, 101.2397,  
36.3883

11.5406, 11.5412,  
0.5423

126.0352,  
129.6178, 51.7036

6.5017, 6.4321,  
0.0000

158.0932,  
162.8577, 70.8067

3.1960, 3.1095,  
0.0000

195.1727,  
201.3436, 94.1161

1.2582, 1.1892,  
0.0000

237.6391,

0.1516, 0.0529,

245.4601, 122.0504

0.0000

285.8576,  
295.5914, 155.0280

■ 0.0000, 0.0000,  
0.0000

■ 40.7108, 41.4318,  
8.9834

■ 40.7108, 41.4318,  
8.9834

■ 39.3538, 39.2971,  
6.7462

■ 42.3204, 43.7408,  
12.3268

■ 38.2158, 37.3174,  
5.4531

■ 44.2049, 46.2290,  
16.9037

■ 37.7593, 36.4851,  
5.0522

■ 46.3870, 48.9078,  
22.8266

■ 48.8859, 51.7858,  
30.1948

■ 51.7192, 54.8708,  
39.0978

■ 54.9030, 58.1701,  
49.6183

■ 58.4523, 61.6904,  
61.8326

■ 62.3811, 65.4382,  
75.8124

■ 66.7027, 69.4195,  
91.6252

# Harmonies

## Analogous

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



51.4001, 41.4318, 12.5974



40.7108, 41.4318, 8.9834



31.3131, 41.4318, 11.0544

# Triad

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



40.7108, 41.4318, 8.9834



24.2103, 41.4318, 74.8573



58.1203, 41.4318, 84.3878

# Complementary

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



40.7108, 41.4318, 8.9834



16.7881, 13.1356, 61.9719

# 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.



48.7247, 41.4318, 117.0773



40.7108, 41.4318, 8.9834



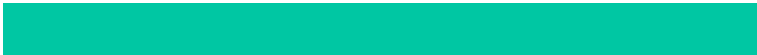
29.3967, 41.4318, 110.1009

# Square

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



40.7108, 41.4318, 8.9834



22.8097, 41.4318, 41.4462



38.0779, 41.4318, 128.0918



62.4932, 41.4318, 48.9882



# Rectangle

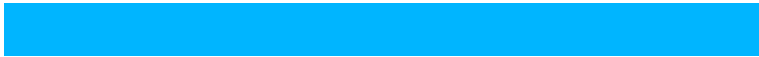
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.7108, 41.4318, 8.9834



26.8069, 41.4318, 16.2305



38.0779, 41.4318, 128.0918



55.3730, 41.4318, 96.5641

# Sweetspot

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



40.7117, 41.4338, 8.9842



82.2308, 87.2356, 64.9378



29.4602, 16.7160, 12.0613



17.2299, 18.2793, 12.6996



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.



40.7117, 41.4338, 8.9842



60.5357, 59.6047, 9.1223



40.4406, 54.6255, 11.5448



12.5265, 13.2438, 12.5081



23.3660, 22.6649, 3.1432



1.3696, 1.3936, 0.1968



# Inverse Universe

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



16.7881, 13.1356, 61.9719



21.6214, 13.8399, 96.1395



16.7047, 9.0398, 61.1857



11.4156, 11.9215, 14.9431



8.0241, 4.6948, 37.6758



0.5146, 0.3945, 2.1286



# Previews

## White Background



This preview shows how the XYZ color 40.7108, 41.4318, 8.9834 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 40.7108, 41.4318, 8.9834 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 40.7108, 41.4318, 8.9834**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.7108, 41.4318, 8.9834.



This preview shows how white text looks on a background with the XYZ color 40.7108, 41.4318,



# 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

40.7108, 41.4318, 8.9834

### Protanopia

37.5785, 41.4816, 9.3943

### Deuteranopia

42.2142, 41.3978, 9.0145



## Tritanopia

47.5716, 41.3558, 42.5210

# Trichromacy



## Original Color

40.7108, 41.4318, 8.9834

## Protanomaly

38.7359, 41.5159, 9.2206

## Deuteranomaly

41.5155, 41.3043, 9.0332

## Tritanomaly

44.0040, 40.9184, 24.9808

# Monochromacy



## Original Color

40.7108, 41.4318, 8.9834

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

36.5657, 38.6728, 24.6062

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7108, 41.4318, 8.9834 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(209, 167, 51)` looks like.

```
.text, #text, p{  
    color:rgb(209, 167, 51)  
}
```

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(209, 167, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 167, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7108, 41.4318, 8.9834 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(209, 167, 51) }
```



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

```
.border{ border-color:rgb(209, 167, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 167, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 167, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 167, 51);  
box-shadow:4px 4px 4px 4px rgb(209, 167,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7108, 41.4318, 8.9834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 167, 51) }
```

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

```
.background{ background-color: rgb(209,  
167, 51) }
```

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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