

# Converting Colors

XYZ(42.0136, 41.0323, 8.8376)

Have a look what the booklet for  
XYZ(42.0136, 41.0323, 8.8376)  
contains.

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# Color

**XYZ(42.0136, 41.0323,  
8.8376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8A333
RGB	216, 163, 51
RGB Percent	85%, 64%, 20%
CMY	0.1529, 0.3608, 0.8000
CMYK	0.00, 0.25, 0.76, 0.15
HSL	41°, 68%, 52%
HSV	41°, 76%, 85%
XYZ	42.0136, 41.0323, 8.8376
YIQ	166.0790, 67.5400, -23.5960

# Conversions

## Conversions Part 2

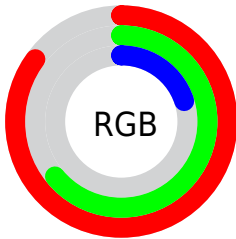
Format	Color
<a href="#">RYB</a>	<a href="#">129, 216, 51</a>
Decimal	<a href="#">14197555</a>
CIELab	<a href="#">70.20, 9.33, 62.02</a>
CIElCh	<a href="#">70, 62.722, 81.442</a>
Yxy	<a href="#">41.0323, 0.4572, 0.4466</a>
Android (android.graphics.Color)	<a href="#">4292387635</a> ( <a href="#">0xFFD8A333</a> )
YUV	<a href="#">166.0790, -56.7339, 43.7807</a>
Hunter-Lab	<a href="#">64.0565, 4.9765, 36.6595</a>

# Details

The XYZ color **42.0136, 41.0323, 8.8376** 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 **18.7100, 15.5617, 66.9828**, and the grayscale version is **36.5277, 38.4300, 41.8502**.

A 20% lighter version of the original color is **68.8612, 72.4227, 23.7142**, and **19.6988, 18.7564, 2.5821** is the 20% darker color. If you saturate the color by 10%, you get **40.4454, 38.4894, 6.4862**, and if you desaturate by 10%, it is **43.8723, 43.8028, 12.3771**.

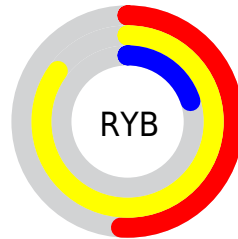
# Distribution



Red (85%)

Green (64%)

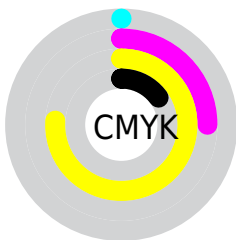
Blue (20%)



Red (51%)

Yellow (85%)

Blue (20%)

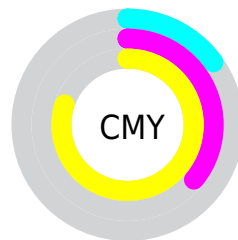


Cyan (0%)

Magenta (25%)

Yellow (76%)

Black (15%)



Cyan (15%)

Magenta (36%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0136, 41.0323, 8.8376 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 42.0136, 41.0323, 8.8376 by changing the saturation by 10% instead.





 42.0136, 41.0323,  
8.8376

 42.0136, 41.0323,  
8.8376


345.5300,  
350.4556, 192.3350


 29.3031, 28.3443,  
4.5400


 77.4852, 76.7329,  
24.1576


 19.4557, 18.5854,  
1.9260


 100.9771,  
100.5144, 36.0170


 12.1059, 11.3711,  
0.5092


 128.7934,  
128.7624, 51.2342

 6.8886, 6.3170,  
0.0000

 161.2996,  
161.8615, 70.2277

 3.4382, 3.0388,  
0.0000

 198.8610,  
200.1959, 93.4160

 1.3895, 1.1520,  
0.0000

 241.8430,

 0.2487, 0.0220,

244.1502, 121.2176

0.0000

290.6108,  
294.1086, 154.0511

■ 0.0000, 0.0000,  
0.0000

■ 42.0136, 41.0323,  
8.8376

■ 42.0136, 41.0323,  
8.8376

■ 40.4454, 38.4894,  
6.4862

■ 43.8723, 43.8028,  
12.3771

■ 39.1296, 36.1523,  
5.1398

■ 46.0468, 46.8078,  
17.2455

■ 38.6941, 35.3497,  
4.7838

■ 48.5624, 50.0607,  
23.5663

■ 51.4406, 53.5717,  
31.4480

■ 54.7010, 57.3502,  
40.9890

■ 58.3616, 61.4049,  
52.2792

■ 62.4391, 65.7441,  
65.4022

■ 66.9492, 70.3754,  
80.4362

■ 71.9069, 75.3064,  
97.4547

# Harmonies

## Analogous

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



52.6519, 41.0323, 13.4358



42.0136, 41.0323, 8.8376



32.2161, 41.0323, 10.0005

# Triad

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



42.0136, 41.0323, 8.8376



23.3531, 41.0323, 68.7100



56.5737, 41.0323, 90.0236

# Complementary

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



42.0136, 41.0323, 8.8376



18.7100, 15.5617, 66.9828

# 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.



46.6750, 41.0323, 120.7196



42.0136, 41.0323, 8.8376



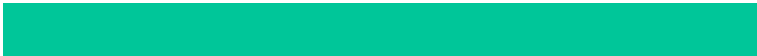
27.9388, 41.0323, 105.1150

# Square

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



42.0136, 41.0323, 8.8376



22.5476, 41.0323, 36.7772



36.1340, 41.0323, 127.2058



61.9733, 41.0323, 53.6345



# Rectangle

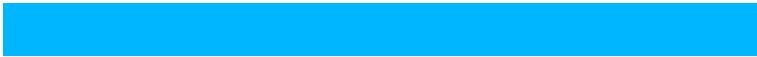
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.0136, 41.0323, 8.8376



27.3335, 41.0323, 14.2741



36.1340, 41.0323, 127.2058



53.5877, 41.0323, 101.9107

# Sweetspot

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



42.0145, 41.0343, 8.8384



81.2860, 85.3462, 64.6229



32.1043, 18.0074, 15.4199



16.9994, 17.8183, 12.6228



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.



42.0145, 41.0343, 8.8384



57.6208, 53.8138, 8.0308



46.0157, 60.1054, 12.3086



13.1209, 13.8161, 13.1359



23.0046, 21.1264, 2.8653



1.4609, 1.4210, 0.1973



# Inverse Universe

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



18.7100, 15.5617, 66.9828



22.5067, 15.6930, 96.4506



16.7618, 8.9668, 65.8126



12.0650, 12.6534, 15.7440



8.6966, 5.6549, 39.0863



0.5985, 0.4890, 2.3822



# Previews

## White Background



This preview shows how the XYZ color 42.0136, 41.0323, 8.8376 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 42.0136, 41.0323, 8.8376 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 42.0136, 41.0323, 8.8376**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0136, 41.0323, 8.8376.



This preview shows how white text looks on a background with the XYZ color 42.0136, 41.0323,



# 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

42.0136, 41.0323, 8.8376

### Protanopia

37.3874, 41.0995, 9.3306

### Deuteranopia

42.0136, 41.0323, 8.8376



## Tritanopia

48.3605, 40.8248, 40.4531

# Trichromacy



## Original Color

42.0136, 41.0323, 8.8376

## Protanomaly

38.8952, 41.0414, 9.1206

## Deuteranomaly

42.0136, 41.0323, 8.8376

## Tritanomaly

44.9788, 40.4226, 24.1706

# Monochromacy



## Original Color

42.0136, 41.0323, 8.8376

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

36.8604, 38.5559, 24.5681

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0136, 41.0323, 8.8376 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(216, 163, 51)` looks like.

```
.text, #text, p{  
    color:rgb(216, 163, 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(216, 163, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 163, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0136, 41.0323, 8.8376 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(216, 163, 51) }
```



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

```
.border{ border-color:rgb(216, 163, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 163, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 163, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 163, 51);  
box-shadow:4px 4px 4px 4px rgb(216, 163,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0136, 41.0323, 8.8376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 163, 51) }
```

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

```
.background{ background-color: rgb(216,  
163, 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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