

Converting Colors

XYZ(40.6892, 37.2991, 8.8483)

Have a look what the booklet for
XYZ(40.6892, 37.2991, 8.8483)
contains.

XYZ(40.6939, 37.3242, 8.8009)	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(40.6939, 37.3242,
8.8009)**

Conversions

Conversions Part 1

Format	Color
Hex	DA9738
RGB	218, 151, 56
RGB Percent	85%, 59%, 22%
CMY	0.1451, 0.4078, 0.7804
CMYK	0.00, 0.31, 0.74, 0.15
HSL	35°, 69%, 54%
HSV	35°, 74%, 85%
XYZ	40.6939, 37.3242, 8.8009
YIQ	160.2030, 70.4270, -15.3410

Conversions

Conversions Part 2

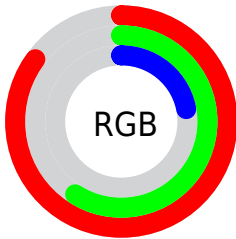
Format	Color
RYB	170, 218, 56
Decimal	14325560
CIELab	67.52, 16.85, 57.53
CIELCh	68, 59.942, 73.673
Yxy	37.3242, 0.4687, 0.4299
Android (android.graphics.Color)	4292515640 (0xFFDA9738)
YUV	160.2030, -51.3721, 50.6880
Hunter-Lab	61.0935, 11.9837, 34.2244

Details

The XYZ color **40.6939, 37.3242, 8.8009** 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 **21.3684, 20.0678, 69.0765**, and the grayscale version is **33.7152, 35.4711, 38.6280**.

A 20% lighter version of the original color is **65.8316, 66.0268, 23.7427**, and **18.6577, 16.3834, 2.1790** is the 20% darker color. If you saturate the color by 10%, you get **38.8766, 34.3653, 6.1129**, and if you desaturate by 10%, it is **42.8559, 40.6016, 12.7489**.

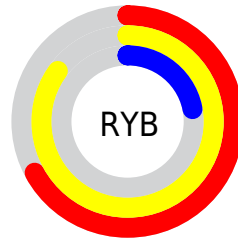
Distribution



Red (85%)

Green (59%)

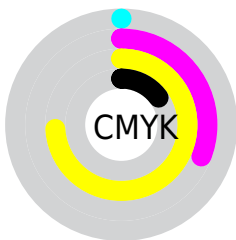
Blue (22%)



Red (67%)

Yellow (85%)

Blue (22%)

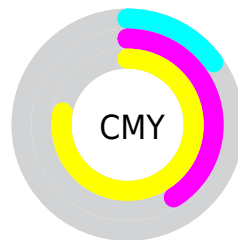


Cyan (0%)

Magenta (31%)

Yellow (74%)

Black (15%)



Cyan (15%)


Magenta (41%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6939, 37.3242, 8.8009 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 40.6939, 37.3242, 8.8009 by changing the saturation by 10% instead.


 40.6939, 37.3242,
8.8009


 40.6939, 37.3242,
8.8009


340.1241,
334.7120, 192.0487


 28.2666, 25.4586,
4.5165

 75.4967, 71.0711,
24.0858

 18.6682, 16.4191,
1.9128


 98.6028, 93.7212,
35.9234


 11.5334, 9.8212,
0.5008


 125.9993,
120.7350, 51.1157

 6.4967, 5.2806,
0.0000

 158.0515,
152.4968, 70.0815

 3.1929, 2.4128,
0.0000

 195.1247,
189.3910, 93.2391

 1.2566, 0.8325,
0.0000

 237.5843,

 0.1504, 0.0000,

231.8020, 121.0071

0.0000

285.7957,
280.1142, 153.8041

■ 0.0000, 0.0000,
0.0000

■ 40.6939, 37.3242,
8.8009

■ 40.6939, 37.3242,
8.8009

■ 38.8766, 34.3653,
6.1129

■ 42.8559, 40.6016,
12.7489

■ 37.3663, 31.7012,
4.5104

■ 45.3892, 44.2074,
18.0967

■ 36.6124, 30.3035,
3.9195

■ 48.3200, 48.1573,
24.9676

■ 51.6712, 52.4639,
33.4705

■ 55.4637, 57.1393,
43.7045

■ 59.7166, 62.1944,
55.7605

■ 64.4481, 67.6397,
69.7231

■ 69.6749, 73.4854,
85.6717

■ 75.4133, 79.7409,
103.6808

Harmonies

Analogous

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



49.8984, 37.3242, 14.7025



40.6939, 37.3242, 8.8009



31.4493, 37.3242, 8.5834

Triad

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



40.6939, 37.3242, 8.8009



20.8925, 37.3242, 53.8558



49.1735, 37.3242, 89.5087

Complementary

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



40.6939, 37.3242, 8.8009



21.3684, 20.0678, 69.0765

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.



39.8315, 37.3242, 112.5873



40.6939, 37.3242, 8.8009



24.1399, 37.3242, 86.7251

Square

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



40.6939, 37.3242, 8.8009



21.0420, 37.3242, 27.9773



30.7235, 37.3242, 111.3918



55.3440, 37.3242, 56.6411

Rectangle

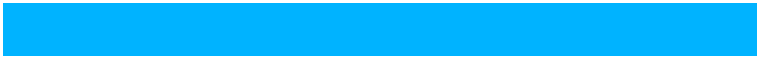
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.6939, 37.3242, 8.8009



26.5293, 37.3242, 11.3459



30.7235, 37.3242, 111.3918



46.2360, 37.3242, 99.1964

Sweetspot

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



40.6948, 37.3261, 8.8016



80.3375, 82.9795, 65.7544



33.9342, 19.1767, 20.8169



16.8569, 17.3525, 13.1331



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.



40.6948, 37.3261, 8.8016



54.2205, 46.8846, 7.2936



50.8242, 63.3362, 13.2882



13.6874, 14.3141, 13.7671



22.0432, 18.3720, 2.3843



1.5123, 1.3586, 0.1825

Inverse Universe

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



21.3684, 20.0678, 69.0765



25.4781, 21.3633, 97.3884



16.5592, 9.1743, 67.2273



12.7788, 13.4974, 16.5839



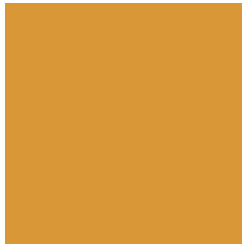
9.8802, 7.6299, 40.6904



0.7237, 0.6616, 2.6640

Previews

White Background



This preview shows how the XYZ color 40.6939, 37.3242, 8.8009 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 40.6939, 37.3242, 8.8009 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 40.6939, 37.3242, 8.8009

Background



This preview shows how black text looks on a background with the XYZ color 40.6939, 37.3242, 8.8009.



This preview shows how white text looks on a background with the XYZ color 40.6939, 37.3242,

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

40.6939, 37.3242, 8.8009

Protanopia

34.0379, 37.4269, 9.7051

Deuteranopia

38.1764, 37.5021, 8.7165



Tritanopia

45.9328, 37.1640, 34.4582

Trichromacy



Original Color

40.6939, 37.3242, 8.8009

Protanomaly

36.1252, 37.1931, 9.4127

Deuteranomaly

38.9893, 37.4202, 8.7823

Tritanomaly

43.4605, 37.0647, 21.6932

Monochromacy



Original Color

40.6939, 37.3242, 8.8009

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.6259, 35.3428, 23.4092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6939, 37.3242, 8.8009 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(218, 151, 56)` looks like.

```
.text, #text, p{  
    color:rgb(218, 151, 56)  
}
```

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(218, 151, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 151, 56) }
```

Border

The CSS property to change the border of an element to XYZ 40.6939, 37.3242, 8.8009 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(218, 151, 56) }
```


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

```
.border{ border-color:rgb(218, 151, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 151, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 151, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 151, 56);  
box-shadow:4px 4px 4px 4px rgb(218, 151,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6939, 37.3242, 8.8009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 151, 56) }
```

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

```
.background{ background-color: rgb(218,  
151, 56) }
```

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