

Converting Colors

XYZ(40.3602, 37.3523, 5.0883)

Have a look what the booklet for
XYZ(40.3602, 37.3523, 5.0883)
contains.

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Color

**XYZ(40.2800, 37.1933,
5.0560)**

Conversions

Conversions Part 1

Format	Color
Hex	DB9700
RGB	219, 151, 0
RGB Percent	86%, 59%, 0%
CMY	0.1412, 0.4078, 1.0000
CMYK	0.00, 0.31, 1.00, 0.14
HSL	41°, 100%, 43%
HSV	41°, 100%, 86%
XYZ	40.2800, 37.1933, 5.0560
YIQ	154.1180, 88.9990, -32.5450

Conversions

Conversions Part 2

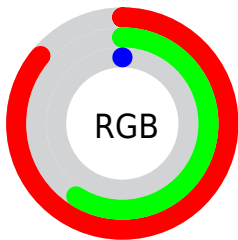
Format	Color
R _Y B	99, 219, 0
Decimal	14391040
CIE Lab	67.42, 15.99, 71.94
CIE LCh	67, 73.700, 77.469
Yxy	37.1933, 0.4881, 0.4507
Android (android.graphics.Color)	4292581120 (0xFFDB9700)
YUV	154.1180, -75.9802, 56.9015
Hunter-Lab	60.9863, 11.1689, 37.7750

Details

The XYZ color **40.2800, 37.1933, 5.0560** 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 **14.8536, 9.2493, 68.0196**, and the grayscale version is **31.0646, 32.6824, 35.5911**.

A 20% lighter version of the original color is **64.3413, 65.4306, 15.8948**, and **18.6577, 16.3834, 2.1790** is the 20% darker color. If you saturate the color by 10%, you get **40.2802, 37.1940, 5.0562**, and if you desaturate by 10%, it is **41.5509, 39.5051, 6.1899**.

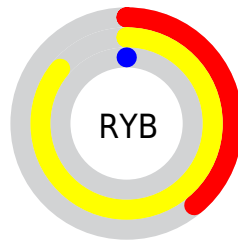
Distribution



Red (86%)

Green (59%)

Blue (0%)



Red (39%)

Yellow (86%)

Blue (0%)

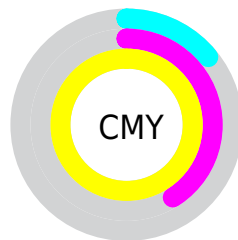


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2800, 37.1933, 5.0560 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 40.2800, 37.1933, 5.0560 by changing the saturation by 10% instead.

40.2800, 37.1933,
5.0560

40.2800, 37.1933,
5.0560

338.4165,
334.1466, 159.3251

27.9421, 25.3572,
2.2208

74.8713, 70.8700,
16.3800

18.4223, 16.3434,
0.6864

97.8555, 93.4793,
25.7060

11.3551, 9.7675,
0.0000

125.1191,
120.4486, 38.0327

6.3752, 5.2450,
0.0000

157.0275,
152.1621, 53.7785

3.1174, 2.3917,
0.0000

193.9461,
189.0042, 73.3622

1.2161, 0.8216,
0.0000

236.2403,

0.1191, 0.0000,

231.3595, 97.2021

0.0000

284.2753,
279.6121, 125.7169

0.0000, 0.0000,
0.0000

40.2800, 37.1933,
5.0560

40.2800, 37.1933,
5.0560

40.2802, 37.1940,
5.0562

41.5509, 39.5051,
6.1899

43.0483, 42.0086,
8.2039

44.8276, 44.7290,
11.3807

46.9197, 47.6805,
15.8786

49.3510, 50.8749,
21.8315

■ 52.1445, 54.3231,
29.3562

■ 55.3210, 58.0349,
38.5580

■ 58.8997, 62.0193,
49.5327

■ 62.8982, 66.2848,
62.3691

Harmonies

Analogous

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



52.1749, 37.1933, 9.7640



40.2800, 37.1933, 5.0560



29.2190, 37.1933, 5.4108

Triad

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



40.2800, 37.1933, 5.0560



18.4063, 37.1933, 62.2075



53.9107, 37.1933, 98.8386

Complementary

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



40.2800, 37.1933, 5.0560



14.8536, 9.2493, 68.0196

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.



42.2863, 37.1933, 133.6322



40.2800, 37.1933, 5.0560



22.5991, 37.1933, 105.8757

Square

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



40.2800, 37.1933, 5.0560



18.0943, 37.1933, 28.4366



30.8417, 37.1933, 136.7333



61.0991, 37.1933, 55.5608

Rectangle

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



40.2800, 37.1933, 5.0560



23.7079, 37.1933, 8.4582



30.8417, 37.1933, 136.7333



50.2919, 37.1933, 112.7241

Sweetspot

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



40.2808, 37.1952, 5.0567



77.9715, 81.7851, 54.0597



30.2986, 15.4943, 7.0824



16.2678, 17.0195, 10.3307



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.



40.2808, 37.1952, 5.0567



56.7312, 52.2424, 7.0937



43.8874, 60.2286, 9.3125



13.8034, 14.5462, 13.8058



23.9860, 22.2576, 3.0319



1.6293, 1.5927, 0.2216

Inverse Universe

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



14.8536, 9.2493, 68.0196



20.8586, 12.8371, 95.9862



13.6675, 5.5690, 67.3718



12.6669, 13.2735, 16.5466



8.8933, 5.6560, 40.3614



0.6516, 0.5173, 2.6400

Previews

White Background



This preview shows how the XYZ color 40.2800, 37.1933, 5.0560 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 40.2800, 37.1933, 5.0560 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 40.2800, 37.1933, 5.0560

Background



This preview shows how black text looks on a background with the XYZ color 40.2800, 37.1933, 5.0560.



This preview shows how white text looks on a background with the XYZ color 40.2800, 37.1933,

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

40.2800, 37.1933, 5.0560

Protanopia

33.7841, 37.3811, 5.8501

Deuteranopia

37.9009, 37.1868, 5.1802



Tritanopia

46.3280, 37.1593, 34.0089

Trichromacy



Original Color

40.2800, 37.1933, 5.0560

Protanomaly

35.9088, 37.1671, 5.5398

Deuteranomaly

38.7070, 37.1083, 5.1225

Tritanomaly

42.5160, 36.4790, 15.8666

Monochromacy



Original Color

40.2800, 37.1933, 5.0560

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.9559, 33.1293, 16.2656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2800, 37.1933, 5.0560 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(219, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 151, 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(219, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 151, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.2800, 37.1933, 5.0560 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(219, 151, 0) }
```


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

```
.border{ border-color:rgb(219, 151, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 151, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 151,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2800, 37.1933, 5.0560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 151, 0) }
```

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

```
.background{ background-color: rgb(219,  
151, 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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