

Converting Colors

XYZ(37.3779, 40.0373, 5.0359)

Have a look what the booklet for
XYZ(37.3779, 40.0373, 5.0359)
contains.

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Color

**XYZ(37.5558, 40.1474,
5.7698)**

Conversions

Conversions Part 1

Format	Color
Hex	C7A800
RGB	199, 168, 0
RGB Percent	78%, 66%, 0%
CMY	0.2196, 0.3412, 0.9999
CMYK	0.00, 0.16, 1.00, 0.22
HSL	51°, 100%, 39%
HSV	51°, 100%, 78%
XYZ	37.5558, 40.1474, 5.7698
YIQ	158.1170, 72.4040, -45.6760

Conversions

Conversions Part 2

Format	Color
R _Y B	37, 199, 0
Decimal	13084672
CIE Lab	69.57, -1.95, 72.42
CIE LCh	70, 72.447, 91.545
Yxy	40.1474, 0.4499, 0.4810
Android (android.graphics.Color)	4291274752 (0xFFC7A800)
YUV	158.1170, -77.9517, 35.8544
Hunter-Lab	63.3620, -5.0832, 38.9544

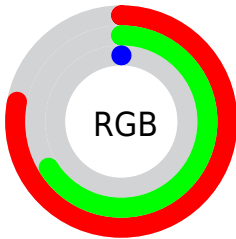
Details

The XYZ color **37.5558, 40.1474, 5.7698** 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 **10.7991, 5.1040, 54.4483**, and the grayscale version is **32.8742, 34.5862, 37.6643**.

A 20% lighter version of the original color is **68.9672, 74.5712, 17.7799**, and **17.1765, 18.2980, 2.6266** is the 20% darker color. If you saturate the color by 10%, you get **37.5562, 40.1484, 5.7700**, and if you desaturate by 10%, it is **38.2613, 41.3578, 6.6241**.

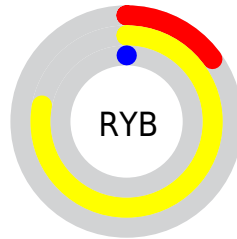
Distribution



Red (78%)

Green (66%)

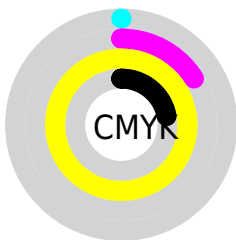
Blue (0%)



Red (15%)

Yellow (78%)

Blue (0%)

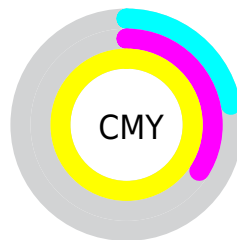


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5558, 40.1474, 5.7698 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 37.5558, 40.1474, 5.7698 by changing the saturation by 10% instead.


 37.5558, 40.1474,
5.7698


 37.5558, 40.1474,
5.7698


327.0245,
346.7444, 166.2328


 25.8138, 27.6535,
2.6391


 70.7351, 75.3879,
17.9205

 16.8163, 18.0646,
0.9125


 92.9030, 98.9033,
27.7776

 10.1981, 10.9964,
0.0000


 119.2770,
126.8613, 40.7140

 5.5938, 6.0644,
0.0000

 150.2223,
159.6463, 57.1481

 2.6380, 2.8843,
0.0000

 186.1044,
197.6428, 77.4985

 0.9653, 1.0716,
0.0000

 227.2886,

 0.0000, 0.0000,

241.2350, 102.1837

0.0000

274.1401,
290.8074, 131.6223

■ 37.5558, 40.1474,
5.7698

■ 37.5558, 40.1474,
5.7698

■ 37.5562, 40.1484,
5.7700

■ 38.2613, 41.3578,
6.6241

■ 39.1085, 42.6452,
8.1612

■ 40.1434, 44.0299,
10.6184

■ 41.3897, 45.5214,
14.1201

■ 42.8673, 47.1278,
18.7711

■ 44.5940, 48.8564,
24.6636

■ 46.5853, 50.7136,
31.8802

■ 48.8559, 52.7052,
40.4968

■ 51.4191, 54.8369,
50.5831

Harmonies

Analogous

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



49.9058, 40.1474, 8.0230



37.5558, 40.1474, 5.7698



27.5630, 40.1474, 8.5969

Triad

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



37.5558, 40.1474, 5.7698



22.0255, 40.1474, 86.7981



61.5372, 40.1474, 82.1330

Complementary

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



37.5558, 40.1474, 5.7698



10.7991, 5.1040, 54.4483

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.



51.1722, 40.1474, 124.7597



37.5558, 40.1474, 5.7698



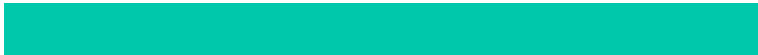
28.4171, 40.1474, 128.2862

Square

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



37.5558, 40.1474, 5.7698



19.8068, 40.1474, 45.4732



38.7684, 40.1474, 144.8496



65.3369, 40.1474, 42.0002

Rectangle

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



37.5558, 40.1474, 5.7698



23.1207, 40.1474, 14.6515



38.7684, 40.1474, 144.8496



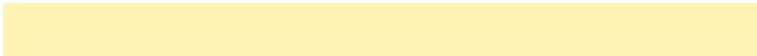
58.6135, 40.1474, 97.2336

Sweetspot

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



37.5567, 40.1493, 5.7706



81.4021, 88.6462, 55.2033



23.8302, 12.2531, 2.5612



17.0936, 18.6711, 10.6060



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.



37.5567, 40.1493, 5.7706



65.6122, 70.0043, 10.0541



30.0443, 45.8063, 7.2584



11.3778, 12.1247, 11.3034



24.2022, 25.9216, 3.7278



1.1849, 1.3053, 0.1895

Inverse Universe

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



10.7991, 5.1040, 54.4483



18.7993, 8.7187, 95.2998



12.5788, 5.2940, 54.3912



10.1879, 10.5498, 13.4168



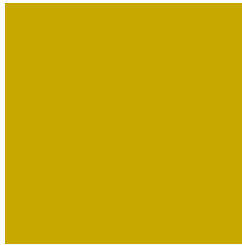
6.9855, 3.3649, 35.0257



0.3742, 0.2463, 1.6730

Previews

White Background



This preview shows how the XYZ color 37.5558, 40.1474, 5.7698 looks on a white background.

Color Contrast Check

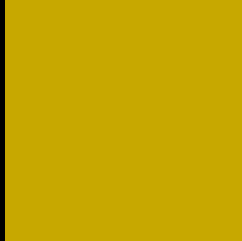
Large Text (above 18pt) WCAG AA × Fail

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 37.5558, 40.1474, 5.7698 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 37.5558, 40.1474, 5.7698

Background



This preview shows how black text looks on a background with the XYZ color 37.5558, 40.1474, 5.7698.



This preview shows how white text looks on a background with the XYZ color 37.5558, 40.1474,

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

37.5558, 40.1474, 5.7698

Protanopia

36.3395, 40.3476, 6.0736

Deuteranopia

40.8784, 39.9805, 6.1347



Tritanopia

44.9688, 40.0140, 42.3991

Trichromacy



Original Color

37.5558, 40.1474, 5.7698

Protanomaly

36.9023, 40.3603, 5.9602

Deuteranomaly

39.6304, 40.1304, 5.9738

Tritanomaly

40.4015, 39.1823, 19.3435

Monochromacy



Original Color

37.5558, 40.1474, 5.7698

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.5029, 35.6645, 17.4828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5558, 40.1474, 5.7698 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(199, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 168, 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(199, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 168, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.5558, 40.1474, 5.7698 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(199, 168, 0) }
```


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

```
.border{ border-color:rgb(199, 168, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 168, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 168,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5558, 40.1474, 5.7698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 168, 0) }
```

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

```
.background{ background-color: rgb(199,  
168, 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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