

Converting Colors

XYZ(40.9774, 38.7181, 7.7962)

Have a look what the booklet for
XYZ(40.9774, 38.7181, 7.7962)
contains.

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Color

**XYZ(40.9774, 38.7181,
7.7962)**

Conversions

Conversions Part 1

Format	Color
Hex	D99C2D
RGB	217, 156, 45
RGB Percent	85%, 61%, 18%
CMY	0.1490, 0.3882, 0.8235
CMYK	0.00, 0.28, 0.79, 0.15
HSL	39°, 69%, 51%
HSV	39°, 79%, 85%
XYZ	40.9774, 38.7181, 7.7962
YIQ	161.5850, 71.9870, -21.5890

Conversions

Conversions Part 2

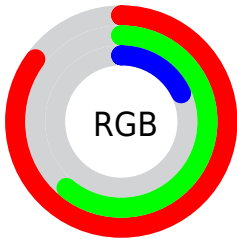
Format	Color
R _{YB}	140, 217, 45
Decimal	14261293
CIE Lab	68.55, 13.30, 62.72
CIE LCh	69, 64.114, 78.030
Yxy	38.7181, 0.4684, 0.4425
Android (android.graphics.Color)	4292451373 (0xFFD99C2D)
YUV	161.5850, -57.4764, 48.5990
Hunter-Lab	62.2239, 8.6590, 36.1281

Details

The XYZ color **40.9774, 38.7181, 7.7962** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **18.7604, 15.8752, 67.7206**, and the grayscale version is **34.3861, 36.1769, 39.3966**.

A 20% lighter version of the original color is **66.5868, 68.2733, 21.7251**, and **18.9562, 17.2712, 2.3346** is the 20% darker color. If you saturate the color by 10%, you get **39.4115, 36.0921, 5.7159**, and if you desaturate by 10%, it is **42.8414, 41.5974, 11.0348**.

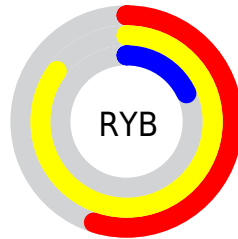
Distribution



Red (85%)

Green (61%)

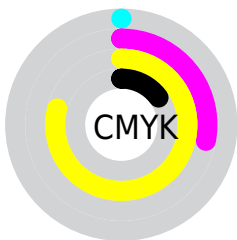
Blue (18%)



Red (55%)

Yellow (85%)

Blue (18%)

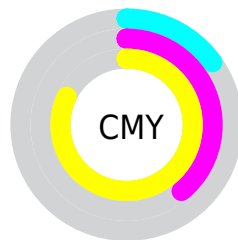


Cyan (0%)

Magenta (28%)

Yellow (79%)

Black (15%)



Cyan (15%)

Magenta (39%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9774, 38.7181, 7.7962 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 40.9774, 38.7181, 7.7962 by changing the saturation by 10% instead.

40.9774, 38.7181,
7.7962

40.9774, 38.7181,
7.7962

341.2904,
340.6905, 183.9992

28.4890, 26.5405,
3.8789

75.9245, 73.2075,
22.0975

18.8369, 17.2284,
1.5592

99.1139, 96.2880,
33.3185

11.6558, 10.3975,
0.2614

126.6011,
123.7717, 47.8113

6.5803, 5.6633,
0.0000

158.7514,
156.0429, 65.9943

3.2450, 2.6414,
0.0000

195.9301,
193.4859, 88.2860

1.2846, 0.9475,
0.0000

238.5026,

0.1717, 0.0000,

236.4853, 115.1050

0.0000

286.8342,
285.4254, 146.8699

■ 0.0000, 0.0000,
0.0000

■ 40.9774, 38.7181,
7.7962

■ 40.9774, 38.7181,
7.7962

■ 39.4115, 36.0921,
5.7159

■ 42.8414, 41.5974,
11.0348

■ 38.0921, 33.6917,
4.5415

■ 45.0312, 44.7388,
15.5825

■ 38.0000, 33.5214,
4.4675

■ 47.5737, 48.1567,
21.5692

■ 50.4917, 51.8625,
29.1087

■ 53.8059, 55.8668,
38.3030

■ 57.5352, 60.1792,
49.2456

■ 61.6973, 64.8088,
62.0229

■ 66.3086, 69.7643,
76.7154

■ 71.3848, 75.0539,
93.3989

Harmonies

Analogous

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



51.3775, 38.7181, 12.8496



40.9774, 38.7181, 7.7962



31.1099, 38.7181, 8.3008

Triad

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



40.9774, 38.7181, 7.7962



21.2485, 38.7181, 61.8254



53.2129, 38.7181, 91.3713

Complementary

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



40.9774, 38.7181, 7.7962



18.7604, 15.8752, 67.7206

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.



43.1456, 38.7181, 120.2589



40.9774, 38.7181, 7.7962



25.2796, 38.7181, 98.5148

Square

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



40.9774, 38.7181, 7.7962



20.8821, 38.7181, 31.6412



32.9173, 38.7181, 123.3467



59.2591, 38.7181, 54.7784

Rectangle

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



40.9774, 38.7181, 7.7962



26.0843, 38.7181, 11.7683



32.9173, 38.7181, 123.3467



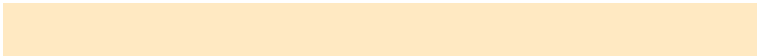
50.1105, 38.7181, 102.9067

Sweetspot

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



40.9783, 38.7200, 7.7969



80.1783, 83.5923, 62.8303



32.2641, 17.7129, 15.9250



16.7561, 17.4200, 12.2697



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.



40.9783, 38.7200, 7.7969



55.5163, 49.6989, 7.0392



47.5517, 61.2930, 11.8075



13.7535, 14.4464, 13.7891



23.1063, 20.4981, 2.7387



1.5770, 1.4881, 0.2041

Inverse Universe

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



18.7604, 15.8752, 67.7206



22.6417, 16.1625, 96.5341



15.8423, 8.1135, 66.3763



12.7146, 13.3690, 16.5625



9.2767, 6.4228, 40.4892



0.6806, 0.5753, 2.6496

Previews

White Background



This preview shows how the XYZ color 40.9774, 38.7181, 7.7962 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 40.9774, 38.7181, 7.7962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

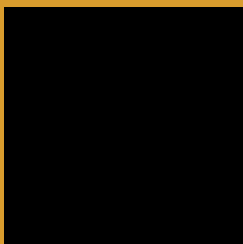
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9774, 38.7181, 7.7962

Background



This preview shows how black text looks on a background with the XYZ color 40.9774, 38.7181, 7.7962.



This preview shows how white text looks on a background with the XYZ color 40.9774, 38.7181,

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

40.9774, 38.7181, 7.7962

Protanopia

35.2752, 38.9100, 8.4475

Deuteranopia

39.7167, 38.8270, 7.7839



Tritanopia

47.1052, 38.8394, 36.9123

Trichromacy



Original Color

40.9774, 38.7181, 7.7962

Protanomaly

37.3417, 38.8983, 8.2293

Deuteranomaly

40.1221, 38.7817, 7.7538

Tritanomaly

43.8775, 38.4458, 21.6312

Monochromacy



Original Color

40.9774, 38.7181, 7.7962

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.1920, 36.4186, 22.6274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9774, 38.7181, 7.7962 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(217, 156, 45)` looks like.

```
.text, #text, p{  
    color:rgb(217, 156, 45)  
}
```

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(217, 156, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 156, 45) }
```

Border

The CSS property to change the border of an element to XYZ 40.9774, 38.7181, 7.7962 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(217, 156, 45) }
```


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

```
.border{ border-color:rgb(217, 156, 45) }
```

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

Here you see how a box with a 4 pixel rgb(217, 156, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 156, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 156, 45);  
box-shadow:4px 4px 4px 4px rgb(217, 156,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9774, 38.7181, 7.7962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 156, 45) }
```

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

```
.background{ background-color: rgb(217,  
156, 45) }
```

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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