

Converting Colors

XYZ(38.0937, 40.7877, 14.8822)

Have a look what the booklet for
XYZ(38.0937, 40.7877, 14.8822)
contains.

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Color

**XYZ(38.0873, 40.7750,
14.8798)**

Conversions

Conversions Part 1

Format	Color
Hex	C1AA57
RGB	193, 170, 87
RGB Percent	76%, 67%, 34%
CMY	0.2431, 0.3333, 0.6588
CMYK	0.00, 0.12, 0.55, 0.24
HSL	47°, 46%, 55%
HSV	47°, 55%, 76%
XYZ	38.0873, 40.7750, 14.8798
YIQ	167.4150, 40.3510, -20.9370

Conversions

Conversions Part 2

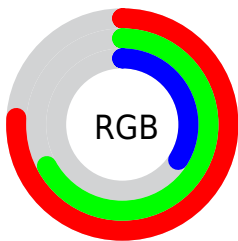
Format	Color
RYB	116, 193, 87
Decimal	12692055
CIELab	70.02, -2.14, 45.29
CIELCh	70, 45.341, 92.709
Yxy	40.7750, 0.4063, 0.4350
Android (android.graphics.Color)	4290882135 (0xFFC1AA57)
YUV	167.4150, -39.6446, 22.4380
Hunter-Lab	63.8553, -5.2782, 30.8827

Details

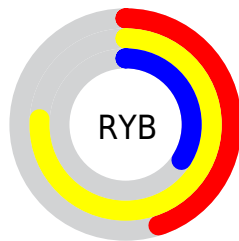
The XYZ color **38.0873, 40.7750, 14.8798** is a light color, and the websafe version is hex **999933**. The color can be described as light muted orange. A complement of this color would be **19.1319, 17.0278, 52.7301**, and the grayscale version is **37.1077, 39.0402, 42.5148**.

A 20% lighter version of the original color is **71.3691, 76.2237, 35.3772**, and **17.1289, 18.4088, 4.4007** is the 20% darker color. If you saturate the color by 10%, you get **36.6297, 38.9575, 11.0103**, and if you desaturate by 10%, it is **39.7826, 42.7306, 19.8693**.

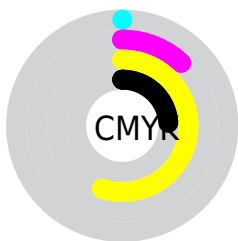
Distribution



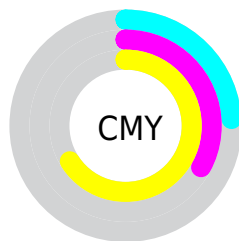
- Red (76%)
- Green (67%)
- Blue (34%)



- Red (45%)
- Yellow (76%)
- Blue (34%)



- Cyan (0%)
- Magenta (12%)
- Yellow (55%)
- Black (24%)



- Cyan (24%)
- Magenta (33%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0873, 40.7750, 14.8798 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 38.0873, 40.7750, 14.8798 by changing the saturation by 10% instead.

■ 38.0873, 40.7750,
14.8798

■ 38.0873, 40.7750,
14.8798

329.2687,
349.3794, 234.2532

■ 26.2280, 28.1433,
8.5894

■ 71.5450, 76.3422,
35.3815

■ 17.1278, 18.4337,
4.3812

■ 93.8740, 100.0465,
50.4298

■ 10.4216, 11.2618,
1.8367

■ 120.4237,
128.2105, 69.2346

■ 5.7437, 6.2432,
0.4520

■ 151.5593,
161.2186, 92.2143

■ 2.7291, 2.9935,
0.0000

■ 187.6463,
199.4551, 119.7874

■ 1.0122, 1.1284,
0.0000

229.0499,

■ 0.0000, 0.0020,

243.3045, 152.3726

0.0000

276.1356,
293.1511, 190.3884

■ 0.0000, 0.0000,
0.0000

■ 38.0873, 40.7750,
14.8798

■ 38.0873, 40.7750,
14.8798

■ 36.6297, 38.9575,
11.0103

■ 39.7826, 42.7306,
19.8693

■ 35.3895, 37.2652,
8.1677

■ 41.7283, 44.8252,
26.0572

■ 34.3476, 35.6913,
6.2479

■ 43.9395, 47.0667,
33.5175

■ 33.4794, 34.2259,
5.1232

■ 46.4291, 49.4607,
42.3176

■ 33.0799, 33.5129,
4.7251

■ 49.2093, 52.0123,
52.5201

■ 52.2915, 54.7265,
64.1836

■ 55.6862, 57.6077,
77.3634

■ 59.4036, 60.6606,
92.1121

■ 62.5217, 63.5164,
103.5724

Harmonies

Analogous

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



45.6469, 40.7750, 17.1515



38.0873, 40.7750, 14.8798



31.5689, 40.7750, 18.1927

Triad

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



38.0873, 40.7750, 14.8798



27.9808, 40.7750, 70.2359



52.8137, 40.7750, 65.8067

Complementary

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



38.0873, 40.7750, 14.8798



19.1319, 17.0278, 52.7301

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.



46.9573, 40.7750, 88.2288



38.0873, 40.7750, 14.8798



32.5950, 40.7750, 91.3059

Square

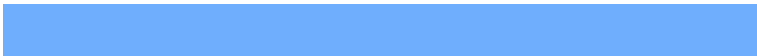
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.0873, 40.7750, 14.8798



26.2175, 40.7750, 46.3495



39.4313, 40.7750, 98.7562



54.7630, 40.7750, 42.5002

Rectangle

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



38.0873, 40.7750, 14.8798



28.5088, 40.7750, 24.0141



39.4313, 40.7750, 98.7562



51.2030, 40.7750, 73.9191

Sweetspot

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



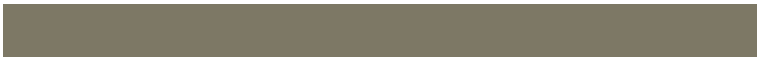
38.0883, 40.7769, 14.8806



82.5332, 87.9990, 73.5535



28.3105, 19.3181, 17.4887



17.5018, 18.6848, 15.0499



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.0883, 40.7769, 14.8806



65.1039, 69.1149, 18.4964



36.2519, 46.7986, 16.1397



10.7220, 11.3755, 10.6925



22.0628, 22.4113, 3.1630



1.0005, 1.0628, 0.1524

Inverse Universe

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



19.1319, 17.0278, 52.7301



27.7894, 22.4386, 93.2267



20.1395, 14.3301, 52.1563



9.7015, 10.0944, 12.7219



6.9988, 3.7542, 33.9124



0.3547, 0.2668, 1.4827

Previews

White Background



This preview shows how the XYZ color 38.0873, 40.7750, 14.8798 looks on a white background.

Color Contrast Check

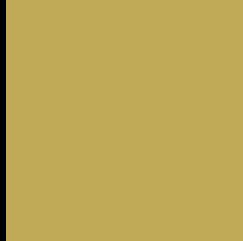
Large Text (above 18pt) WCAG AA × Fail

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 38.0873, 40.7750, 14.8798 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 38.0873, 40.7750, 14.8798

Background



This preview shows how black text looks on a background with the XYZ color 38.0873, 40.7750, 14.8798.

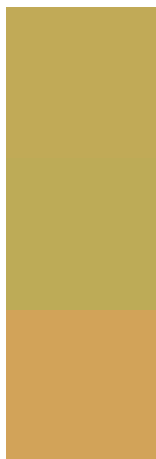


This preview shows how white text looks on a background with the XYZ color 38.0873, 40.7750,

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

38.0873, 40.7750, 14.8798

Protanopia

37.2695, 40.6328, 14.8954

Deuteranopia

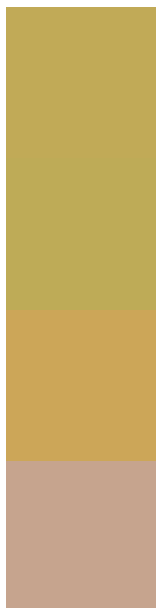
41.4787, 40.6173, 15.1050



Tritanopia

44.2010, 40.5762, 45.0375

Trichromacy



Original Color

38.0873, 40.7750, 14.8798

Protanomaly

37.5184, 40.7611, 14.9071

Deuteranomaly

40.2995, 40.8144, 14.9865

Tritanomaly

41.4466, 40.5097, 31.2259

Monochromacy



Original Color

38.0873, 40.7750, 14.8798

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.4946, 39.0703, 29.6626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0873, 40.7750, 14.8798 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(193, 170, 87)` looks like.

```
.text, #text, p{  
    color:rgb(193, 170, 87)  
}
```

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(193, 170, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 170, 87) }
```

Border

The CSS property to change the border of an element to XYZ 38.0873, 40.7750, 14.8798 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(193, 170, 87) }
```


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

```
.border{ border-color:rgb(193, 170, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 170, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 170, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 170, 87);  
box-shadow:4px 4px 4px 4px rgb(193, 170,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0873, 40.7750, 14.8798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 170, 87) }
```

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

```
.background{ background-color: rgb(193,  
170, 87) }
```

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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