

Converting Colors

XYZ(38.1839, 40.0133, 14.0983)

Have a look what the booklet for
XYZ(38.1839, 40.0133, 14.0983)
contains.

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Color

**XYZ(38.1839, 40.0133,
14.0983)**

Conversions

Conversions Part 1

Format	Color
Hex	C4A754
RGB	196, 167, 84
RGB Percent	77%, 65%, 33%
CMY	0.2314, 0.3451, 0.6706
CMYK	0.00, 0.15, 0.57, 0.23
HSL	44°, 49%, 55%
HSV	44°, 57%, 77%
XYZ	38.1839, 40.0133, 14.0983
YIQ	166.2090, 43.9270, -19.6650

Conversions

Conversions Part 2

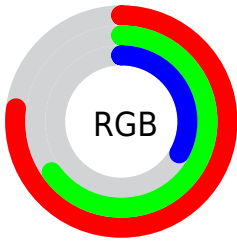
Format	Color
RYB	123, 196, 84
Decimal	12887892
CIELab	69.48, 0.49, 46.20
CIELCh	69, 46.199, 89.390
Yxy	40.0133, 0.4137, 0.4335
Android (android.graphics.Color)	4291077972 (0xFFC4A754)
YUV	166.2090, -40.5290, 26.1267
Hunter-Lab	63.2561, -2.9484, 31.0649

Details

The XYZ color **38.1839, 40.0133, 14.0983** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **19.5249, 17.6799, 54.6078**, and the grayscale version is **36.5226, 38.4247, 41.8445**.

A 20% lighter version of the original color is **71.8052, 75.2801, 34.0385**, and **17.2205, 17.9467, 3.9953** is the 20% darker color. If you saturate the color by 10%, you get **36.6100, 37.9269, 10.3018**, and if you desaturate by 10%, it is **40.0110, 42.2624, 19.0396**.

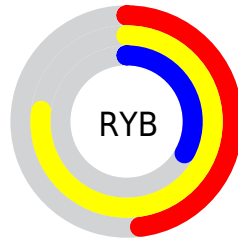
Distribution



Red (77%)

Green (65%)

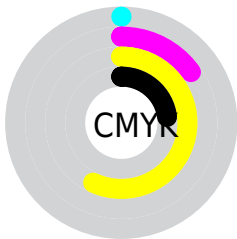
Blue (33%)



Red (48%)

Yellow (77%)

Blue (33%)

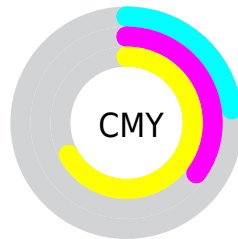


Cyan (0%)

Magenta (15%)

Yellow (57%)

Black (23%)



Cyan (23%)


Magenta (35%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1839, 40.0133, 14.0983 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 38.1839, 40.0133, 14.0983 by changing the saturation by 10% instead.


 38.1839, 40.0133,
14.0983


 38.1839, 40.0133,
14.0983

329.6754,
346.1796, 229.2912


 26.3033, 27.5489,
8.0495


 71.6920, 75.1838,
33.9830


 17.1846, 17.9859,
4.0384


 94.0502, 98.6586,
48.6560


 10.4623, 10.9399,
1.6465


 120.6317,
126.5725, 67.0408

 5.7711, 6.0264,
0.3236

 151.8018,
159.3096, 89.5560

 2.7457, 2.8611,
0.0000

 187.9259,
197.2545, 116.6201

 1.0208, 1.0597,
0.0000

229.3693,

 0.0000, 0.0000,

240.7916, 148.6516

0.0000

276.4973,
290.3051, 186.0691

■ 38.1839, 40.0133,
14.0983

■ 38.1839, 40.0133,
14.0983

■ 36.6100, 37.9269,
10.3018

■ 40.0110, 42.2624,
19.0396

■ 35.2675, 35.9892,
7.5505

■ 42.1051, 44.6758,
25.2094

■ 34.1355, 34.1928,
5.7319

■ 44.4824, 47.2621,
32.6861

■ 33.1840, 32.5250,
4.6898

■ 47.1566, 50.0275,
41.5409

■ 32.9298, 32.0656,
4.4537

■ 50.1408, 52.9777,
51.8401

■ 53.4470, 56.1183,
63.6453

■ 57.0866, 59.4544,
77.0148

■ 61.0705, 62.9908,
92.0037

■ 64.5267, 66.3795,
104.0193

Harmonies

Analogous

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



45.7910, 40.0133, 16.9629



38.1839, 40.0133, 14.0983



31.4337, 40.0133, 16.7315

Triad

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



38.1839, 40.0133, 14.0983



26.8786, 40.0133, 66.9269



51.7208, 40.0133, 67.9375

Complementary

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



38.1839, 40.0133, 14.0983



19.5249, 17.6799, 54.6078

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.



45.4932, 40.0133, 89.9048



38.1839, 40.0133, 14.0983



31.2020, 40.0133, 89.1999

Square

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



38.1839, 40.0133, 14.0983



25.4447, 40.0133, 43.1331



37.8794, 40.0133, 98.7217



54.2056, 40.0133, 44.0052

Rectangle

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



38.1839, 40.0133, 14.0983



28.1717, 40.0133, 21.9702



37.8794, 40.0133, 98.7217



49.9589, 40.0133, 76.0483

Sweetspot

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



38.1848, 40.0152, 14.0991



85.3633, 90.5633, 75.0375



28.9651, 19.2886, 18.0767



18.0504, 19.1599, 15.3172



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.



38.1848, 40.0152, 14.0991



65.5640, 67.6470, 17.0083



37.8890, 48.6510, 15.7816



10.6856, 11.3027, 10.6803



21.2315, 20.7488, 2.8859



0.9705, 1.0027, 0.1424

Inverse Universe

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



19.5249, 17.6799, 54.6078



28.5618, 23.4507, 97.6288



19.5815, 13.6501, 53.8270



9.7356, 10.1625, 12.7333



7.2157, 4.1878, 33.9846



0.3698, 0.2969, 1.4877

Previews

White Background



This preview shows how the XYZ color 38.1839, 40.0133, 14.0983 looks on a white background.

Color Contrast Check

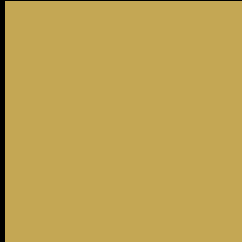
Large Text (above 18pt) WCAG AA × Fail

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 38.1839, 40.0133, 14.0983 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 38.1839, 40.0133, 14.0983

Background



This preview shows how black text looks on a background with the XYZ color 38.1839, 40.0133, 14.0983.



This preview shows how white text looks on a background with the XYZ color 38.1839, 40.0133,

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

38.1839, 40.0133, 14.0983

Protanopia

36.7535, 40.0967, 14.3967

Deuteranopia

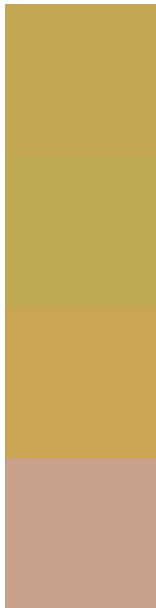
40.8545, 40.0518, 14.1718



Tritanopia

44.3844, 40.1934, 43.4490

Trichromacy



Original Color

38.1839, 40.0133, 14.0983

Protanomaly

37.3135, 40.1082, 14.3693

Deuteranomaly

39.8170, 40.0442, 14.2250

Tritanomaly

41.4925, 39.7713, 29.9158

Monochromacy



Original Color

38.1839, 40.0133, 14.0983

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.2116, 38.3971, 28.7954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1839, 40.0133, 14.0983 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(196, 167, 84)` looks like.

```
.text, #text, p{  
    color:rgb(196, 167, 84)  
}
```

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(196, 167, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 167, 84) }
```

Border

The CSS property to change the border of an element to XYZ 38.1839, 40.0133, 14.0983 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(196, 167, 84) }
```


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

```
.border{ border-color:rgb(196, 167, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 167, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 167, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 167, 84);  
box-shadow:4px 4px 4px 4px rgb(196, 167,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1839, 40.0133, 14.0983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 167, 84) }
```

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

```
.background{ background-color: rgb(196,  
167, 84) }
```

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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