

Converting Colors

XYZ(38.0017, 40.6850, 42.4112)

Have a look what the booklet for
XYZ(38.0017, 40.6850, 42.4112)
contains.

XYZ(38.0898, 40.7301, 42.4134)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.0898, 40.7301,
42.4134)**

Conversions

Conversions Part 1

Format	Color
Hex	A9ACA7
RGB	169, 172, 167
RGB Percent	66%, 67%, 65%
CMY	0.3372, 0.3255, 0.3451
CMYK	0.02, 0.00, 0.03, 0.33
HSL	96°, 3%, 66%
HSV	96°, 3%, 67%
XYZ	38.0898, 40.7301, 42.4134
YIQ	170.5330, -0.1830, -2.1910

Conversions

Conversions Part 2

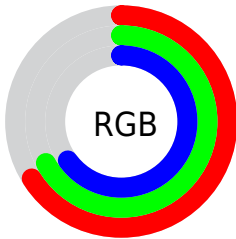
Format	Color
RYB	167, 172, 170
Decimal	11119783
CIELab	69.99, -2.00, 2.19
CIElCh	70, 2.964, 132.411
Yxy	40.7301, 0.3142, 0.3360
Android (android.graphics.Color)	4289309863 (0xFFA9ACA7)
YUV	170.5330, -1.7418, -1.3444
Hunter-Lab	63.8201, -5.1510, 5.2713

Details

The XYZ color **38.0898, 40.7301, 42.4134** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.8442, 39.1632, 44.5965**, and the grayscale version is **38.4841, 40.4883, 44.0917**.

A 20% lighter version of the original color is **71.3944, 76.0594, 80.0253**, and **17.1471, 18.4527, 18.8776** is the 20% darker color. If you saturate the color by 10%, you get **34.4764, 39.0402, 34.4886**, and if you desaturate by 10%, it is **42.0920, 42.5983, 51.4622**.

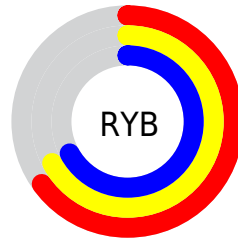
Distribution



Red (66%)

Green (67%)

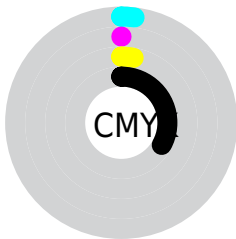
Blue (65%)



Red (65%)

Yellow (67%)

Blue (67%)

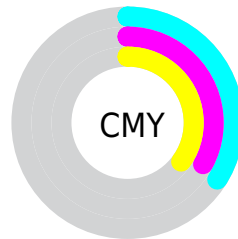


Cyan (2%)

Magenta (0%)

Yellow (3%)

Black (33%)



Cyan (34%)

Magenta (33%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0898, 40.7301, 42.4134 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 38.0898, 40.7301, 42.4134 by changing the saturation by 10% instead.

■ 38.0898, 40.7301,
42.4134

■ 38.0898, 40.7301,
42.4134

329.2792,
349.1913, 372.0439

■ 26.2299, 28.1082,
29.0971

■ 71.5488, 76.2740,
80.1017

■ 17.1293, 18.4073,
18.9081

■ 93.8786, 99.9649,
105.3109

■ 10.4226, 11.2428,
11.4278

120.4291,
128.1142, 135.3215

■ 5.7445, 6.2304,
6.2376

151.5656,
161.1063, 170.5519

■ 2.7295, 2.9857,
2.9189

187.6535,
199.3257, 211.4209

■ 1.0124, 1.1243,
1.0534

229.0582,

■ 0.0000, 0.0000,

243.1567, 258.3468

0.0000

276.1450,
292.9838, 311.7483

■ 38.0898, 40.7301,
42.4134

■ 38.0898, 40.7301,
42.4134

■ 34.4764, 39.0402,
34.4886

■ 42.0920, 42.5983,
51.4622

■ 31.2360, 37.5179,
27.6412

■ 46.4912, 44.6448,
61.6737

■ 28.3568, 36.1593,
21.8255

■ 51.2998, 46.8760,
73.0880

■ 25.8249, 34.9585,
16.9913

■ 56.5285, 49.2969,
85.7428

■ 23.6257, 33.9089,
13.0843

■ 62.1877, 51.9118,
99.6737

■ 21.7430, 33.0037,
10.0449

■ 65.7414, 53.7068,
101.5092

■ 20.1594, 32.2352,
7.8066

■ 69.1719, 55.4753,
101.6698

■ 18.8553, 31.5951,
6.2931

■ 72.8022, 57.3468,
101.8397

■ 17.8079, 31.0735,
5.4134

■ 74.0433, 57.9866,
101.8978

Harmonies

Analogous

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



38.5135, 40.7301, 41.8012



38.0898, 40.7301, 42.4134



37.8343, 40.7301, 43.5493

Triad

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



38.0898, 40.7301, 42.4134



38.4328, 40.7301, 46.9320



39.6268, 40.7301, 43.7790

Complementary

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



38.0898, 40.7301, 42.4134



37.8442, 39.1632, 44.5965

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.



39.6047, 40.7301, 45.1567



38.0898, 40.7301, 42.4134



38.9127, 40.7301, 46.9966

Square

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



38.0898, 40.7301, 42.4134



38.0311, 40.7301, 46.1662



39.3424, 40.7301, 46.3409



39.4024, 40.7301, 42.5785

Rectangle

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



38.0898, 40.7301, 42.4134



37.7923, 40.7301, 44.4601



39.3424, 40.7301, 46.3409



39.6480, 40.7301, 44.2364

Sweetspot

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



38.0909, 40.7319, 42.4143



70.4168, 74.5053, 79.8865



38.3646, 40.3118, 42.3188



15.3118, 16.1957, 17.3805



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



38.0909, 40.7319, 42.4143



68.9988, 73.8429, 76.7186



37.7115, 40.5309, 42.6385



8.6660, 9.3095, 9.5708



12.8505, 22.9217, 3.7470



0.4202, 0.6700, 0.1072

Inverse Universe

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



37.8442, 39.1632, 44.5965



68.5294, 70.8580, 80.8708



38.2319, 39.3686, 44.3642



8.5940, 8.8513, 10.2082



9.7876, 4.4056, 29.3790



0.3318, 0.1532, 0.8201

Previews

White Background



This preview shows how the XYZ color 38.0898, 40.7301, 42.4134 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 38.0898, 40.7301, 42.4134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

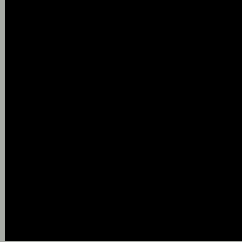
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0898, 40.7301, 42.4134

Background



This preview shows how black text looks on a background with the XYZ color 38.0898, 40.7301, 42.4134.



This preview shows how white text looks on a background with the XYZ color 38.0898, 40.7301,

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

38.0898, 40.7301, 42.4134

Protanopia

38.9369, 40.6166, 41.8640

Deuteranopia

41.2621, 40.4288, 42.6746



Tritanopia

39.7166, 40.8263, 50.5867

Trichromacy



Original Color

38.0898, 40.7301, 42.4134

Protanomaly

38.6794, 40.7632, 41.9059

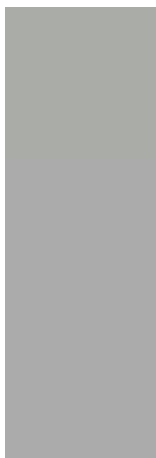
Deuteranomaly

40.1266, 40.6562, 42.7783

Tritanomaly

39.0763, 40.8462, 47.4195

Monochromacy



Original Color

38.0898, 40.7301, 42.4134

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.3962, 40.5741, 43.8381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0898, 40.7301, 42.4134 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(169, 172, 167)` looks like.

```
.text, #text, p{  
    color:rgb(169, 172, 167)  
}
```

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(169, 172, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 172, 167) }
```

Border

The CSS property to change the border of an element to XYZ 38.0898, 40.7301, 42.4134 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(169, 172, 167) }
```


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

```
.border{ border-color:rgb(169, 172, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 172, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 172, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 172, 167);  
box-shadow:4px 4px 4px 4px rgb(169, 172,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0898, 40.7301, 42.4134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 172, 167) }
```

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

```
.background{ background-color: rgb(169,  
172, 167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor