

Converting Colors

XYZ(40.6031, 37.8239, 28.8276)

Have a look what the booklet for
XYZ(40.6031, 37.8239, 28.8276)
contains.

XYZ(40.5938, 37.8054, 28.8246)	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(40.5938, 37.8054,
28.8246)**

Conversions

Conversions Part 1

Format	Color
Hex	CA9B89
RGB	202, 155, 137
RGB Percent	79%, 61%, 54%
CMY	0.2078, 0.3921, 0.4627
CMYK	0.00, 0.23, 0.32, 0.21
HSL	17°, 38%, 66%
HSV	17°, 32%, 79%
XYZ	40.5938, 37.8054, 28.8246
YIQ	167.0010, 33.7900, 4.3660

Conversions

Conversions Part 2

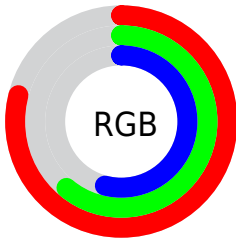
Format	Color
R _Y B	202, 162, 137
Decimal	13278089
CIE Lab	67.88, 15.00, 16.20
CIE LCh	68, 22.076, 47.194
Yxy	37.8054, 0.3786, 0.3526
Android (android.graphics.Color)	4291468169 (0xFFCA9B89)
YUV	167.0010, -14.7905, 30.6941
Hunter-Lab	61.4861, 10.2470, 15.2452

Details

The XYZ color **40.5938, 37.8054, 28.8246** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **38.1171, 43.8621, 62.3343**, and the grayscale version is **36.7902, 38.7061, 42.1510**.

A 20% lighter version of the original color is **73.5809, 71.0709, 58.5551**, and **18.7032, 16.7918, 11.2722** is the 20% darker color. If you saturate the color by 10%, you get **36.9930, 32.7096, 21.1323**, and if you desaturate by 10%, it is **44.7619, 43.6012, 38.0452**.

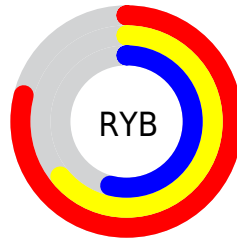
Distribution



Red (79%)

Green (61%)

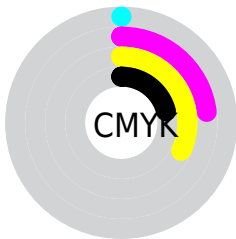
Blue (54%)



Red (79%)

Yellow (64%)

Blue (54%)

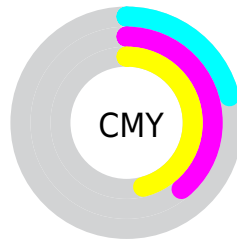


Cyan (0%)

Magenta (23%)

Yellow (32%)

Black (21%)



Cyan (21%)


Magenta (39%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5938, 37.8054, 28.8246 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 40.5938, 37.8054, 28.8246 by changing the saturation by 10% instead.


 40.5938, 37.8054,
28.8246


 40.5938, 37.8054,
28.8246


339.7117,
336.7845, 310.4215


 28.1881, 25.8317,
18.7037

 75.3455, 71.8098,
58.8371

 18.6087, 16.6978,
11.2818


 98.4222, 94.6092,
79.5659

 11.4902, 10.0192,
6.1401

 125.7866,
121.7860, 104.6677

 6.4673, 5.4117,
2.8603

157.8041,
153.7246, 134.5611

 3.1746, 2.4908,
1.0238

194.8400,
190.8093, 169.6647

 1.2467, 0.8720,
0.0000

237.2596,

 0.1428, 0.0000,

233.4246, 210.3969

0.0000

285.4284,
281.9549, 257.1763

■ 0.0000, 0.0000,
0.0000

■ 40.5938, 37.8054,
28.8246

■ 40.5938, 37.8054,
28.8246

■ 36.9930, 32.7096,
21.1323

■ 44.7619, 43.6012,
38.0452

■ 33.9310, 28.2817,
14.8826

■ 49.5182, 50.1172,
48.8687

■ 31.3809, 24.4945,
9.9848

■ 54.8862, 57.3793,
61.3678

■ 29.3124, 21.3171,
6.3369

■ 60.8872, 65.4105,
75.6098

■ 27.6914, 18.7157,
3.8222

■ 67.5414, 74.2326,
91.6585

■ 26.4788, 16.6526,
2.3011

■ 74.3483, 83.6590,
106.8370

■ 25.7689, 15.3802,
1.6105

■ 78.1671, 91.2966,
108.1099

Harmonies

Analogous

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



42.5949, 37.8054, 35.8389



40.5938, 37.8054, 28.8246



37.4117, 37.8054, 25.3821

Triad

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



40.5938, 37.8054, 28.8246



29.8890, 37.8054, 37.1250



37.9140, 37.8054, 61.9260

Complementary

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



40.5938, 37.8054, 28.8246



38.1171, 43.8621, 62.3343

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.



34.4936, 37.8054, 62.4177



40.5938, 37.8054, 28.8246



30.0045, 37.8054, 46.9913

Square

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



40.5938, 37.8054, 28.8246



31.3169, 37.8054, 29.6368



31.6432, 37.8054, 56.6005



40.9815, 37.8054, 55.3480

Rectangle

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



40.5938, 37.8054, 28.8246



35.1149, 37.8054, 25.1506



31.6432, 37.8054, 56.6005



36.7635, 37.8054, 62.8417

Sweetspot

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



40.5948, 37.8072, 28.8254



85.6107, 87.2609, 86.8262



42.0248, 33.9370, 50.0504



18.0588, 18.3168, 17.9714



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.



40.5948, 37.8072, 28.8254



64.1561, 57.5519, 38.9803



46.6076, 49.8328, 30.8296



11.4611, 11.7111, 11.7358



16.6470, 10.0270, 1.0580



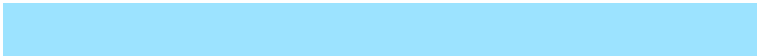
0.9237, 0.6470, 0.0762

Inverse Universe

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



38.1171, 43.8621, 62.3343



59.2667, 69.4297, 104.8853



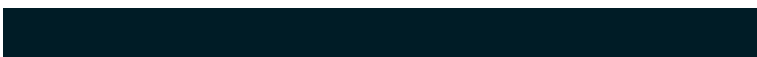
32.2329, 32.0937, 60.3729



11.2704, 12.1812, 14.3276



13.5572, 16.1383, 38.3567



0.7610, 0.9558, 1.9993

Previews

White Background



This preview shows how the XYZ color 40.5938, 37.8054, 28.8246 looks on a white background.

Color Contrast Check

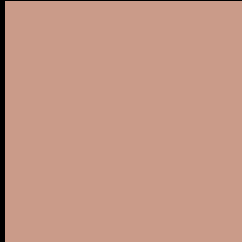
Large Text (above 18pt) WCAG AA × Fail

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 40.5938, 37.8054, 28.8246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

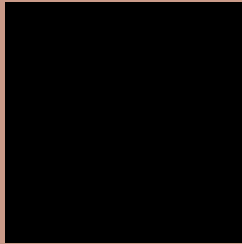
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5938, 37.8054, 28.8246

Background



This preview shows how black text looks on a background with the XYZ color 40.5938, 37.8054, 28.8246.



This preview shows how white text looks on a background with the XYZ color 40.5938, 37.8054,

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

40.5938, 37.8054, 28.8246

Protanopia

35.7932, 37.8619, 31.0128

Deuteranopia

38.5803, 37.7803, 28.5515



Tritanopia

42.8543, 37.7567, 39.6794

Trichromacy



Original Color

40.5938, 37.8054, 28.8246

Protanomaly

37.2457, 37.5735, 30.1003

Deuteranomaly

39.4357, 37.9671, 28.5424

Tritanomaly

41.9628, 37.6269, 35.6229

Monochromacy



Original Color

40.5938, 37.8054, 28.8246

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.9203, 38.2980, 36.8461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5938, 37.8054, 28.8246 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(202, 155, 137)` looks like.

```
.text, #text, p{  
    color:rgb(202, 155, 137)  
}
```

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(202, 155, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 155, 137) }
```

Border

The CSS property to change the border of an element to XYZ 40.5938, 37.8054, 28.8246 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(202, 155, 137) }
```


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

```
.border{ border-color:rgb(202, 155, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 155, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 155, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 155, 137);  
box-shadow:4px 4px 4px 4px rgb(202, 155,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5938, 37.8054, 28.8246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 155, 137) }
```

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

```
.background{ background-color: rgb(202,  
155, 137) }
```

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