

Converting Colors

XYZ(38.0907, 39.8011, 41.9099)

Have a look what the booklet for
XYZ(38.0907, 39.8011, 41.9099)
contains.

XYZ(38.0842, 39.8998, 41.7706)	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(38.0842, 39.8998,
41.7706)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA9A6
RGB	172, 169, 166
RGB Percent	67%, 66%, 65%
CMY	0.3255, 0.3372, 0.3490
CMYK	0.00, 0.02, 0.03, 0.33
HSL	30°, 3%, 66%
HSV	30°, 3%, 67%
XYZ	38.0842, 39.8998, 41.7706
YIQ	169.5550, 2.7510, -0.2970

Conversions

Conversions Part 2

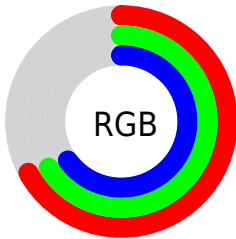
Format	Color
RYB	172, 172, 166
Decimal	11315622
CIELab	69.40, 0.52, 1.92
CIElCh	69, 1.984, 74.839
Yxy	39.8998, 0.3180, 0.3332
Android (android.graphics.Color)	4289505702 (0xFFACA9A6)
YUV	169.5550, -1.7526, 2.1443
Hunter-Lab	63.1663, -2.9198, 5.0091

Details

The XYZ color **38.0842, 39.8998, 41.7706** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.3603, 39.4610, 44.6779**, and the grayscale version is **37.9956, 39.9743, 43.5320**.

A 20% lighter version of the original color is **71.3854, 74.8627, 79.0941**, and **17.1443, 17.9306, 18.4769** is the 20% darker color. If you saturate the color by 10%, you get **35.0650, 36.2194, 33.4935**, and if you desaturate by 10%, it is **41.4218, 43.8782, 51.1959**.

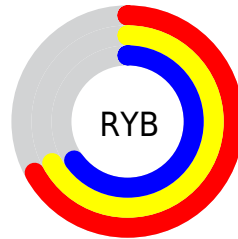
Distribution



Red (67%)

Green (66%)

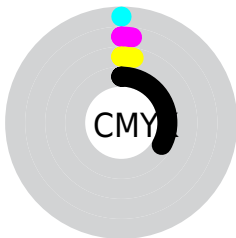
Blue (65%)



Red (67%)

Yellow (67%)

Blue (65%)

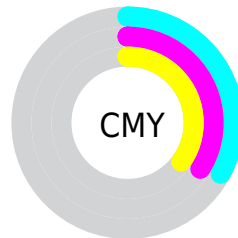


Cyan (0%)

Magenta (2%)

Yellow (3%)

Black (33%)



Cyan (33%)

Magenta (34%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0842, 39.8998, 41.7706 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 38.0842, 39.8998, 41.7706 by changing the saturation by 10% instead.

■ 38.0842, 39.8998,
41.7706

■ 38.0842, 39.8998,
41.7706

329.2556,
345.7011, 369.3027

■ 26.2256, 27.4604,
28.5975

■ 71.5402, 75.0109,
79.1187

■ 17.1260, 17.9193,
18.5336

■ 93.8684, 98.4514,
104.1307

■ 10.4202, 10.8921,
11.1604

120.4170,
126.3278, 133.9261

■ 5.7429, 5.9943,
6.0593

151.5515,
159.0244, 168.9234

■ 2.7285, 2.8416,
2.8118

187.6373,
196.9256, 209.5412

■ 1.0119, 1.0496,
0.9993

229.0397,

■ 0.0000, 0.0000,

240.4159, 256.1980

0.0000

276.1240,
289.8796, 309.3123

■ 38.0842, 39.8998,
41.7706

■ 38.0842, 39.8998,
41.7706

■ 35.0650, 36.2194,
33.4935

■ 41.4218, 43.8782,
51.1959

■ 32.3504, 32.8245,
26.3176

■ 45.0841, 48.1563,
61.8088

■ 29.9307, 29.7090,
20.1964

■ 49.0817, 52.7428,
73.6502

■ 27.7943, 26.8650,
15.0790

■ 53.4236, 57.6441,
86.7579

■ 25.9285, 24.2839,
10.9102

■ 58.1182, 62.8665,
101.1683

■ 24.3198, 21.9567,
7.6297

■ 60.8018, 67.4674,
104.4257

■ 22.9531, 19.8734,
5.1699

■ 63.1225, 72.1087,
105.1992

■ 21.8114, 18.0235,
3.4532

■ 65.5608, 76.9854,
106.0120

■ 20.8748, 16.3948,
2.3870

■ 68.1185, 82.1007,
106.8645

Harmonies

Analogous

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



38.3602, 39.8998, 42.2172



38.0842, 39.8998, 41.7706



37.7667, 39.8998, 41.7681

Triad

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



38.0842, 39.8998, 41.7706



37.3338, 39.8998, 43.8955



38.3577, 39.8998, 44.7016

Complementary

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



38.0842, 39.8998, 41.7706



37.3603, 39.4610, 44.6779

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.



38.0809, 39.8998, 45.1643



38.0842, 39.8998, 41.7706



37.4903, 39.8998, 44.6945

Square

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



38.0842, 39.8998, 41.7706



37.3346, 39.8998, 42.9863



37.7634, 39.8998, 45.1617



38.5187, 39.8998, 43.9051

Rectangle

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



38.0842, 39.8998, 41.7706



37.5742, 39.8998, 42.0182



37.7634, 39.8998, 45.1617



38.2750, 39.8998, 44.9019

Sweetspot

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



38.0853, 39.9015, 41.7715



70.5327, 74.1182, 79.8057



37.8115, 38.9083, 43.0539



15.3356, 16.1163, 17.3639



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.



38.0853, 39.9015, 41.7715



68.7562, 71.9820, 74.8461



38.6493, 41.0295, 41.9595



8.6514, 9.0506, 9.3466



15.1972, 11.6000, 1.4380



0.4775, 0.4322, 0.0583

Inverse Universe

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



37.3603, 39.4610, 44.6779



67.2268, 71.0527, 80.9771



36.8091, 38.3586, 44.4942



8.4312, 8.9168, 10.2294



8.0675, 7.2688, 30.0223



0.2792, 0.3118, 0.8534

Previews

White Background



This preview shows how the XYZ color 38.0842, 39.8998, 41.7706 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 38.0842, 39.8998, 41.7706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

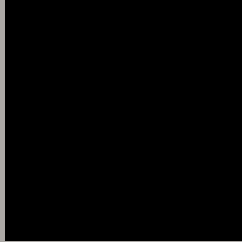
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

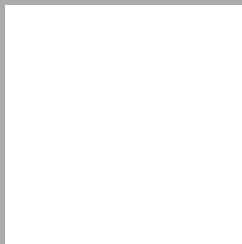
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0842, 39.8998, 41.7706

Background



This preview shows how black text looks on a background with the XYZ color 38.0842, 39.8998, 41.7706.



This preview shows how white text looks on a background with the XYZ color 38.0842, 39.8998,

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

38.0842, 39.8998, 41.7706

Protanopia

38.3045, 40.0133, 41.7809

Deuteranopia

40.7440, 39.9057, 42.1144



Tritanopia

39.5125, 39.9314, 48.8050

Trichromacy



Original Color

38.0842, 39.8998, 41.7706

Protanomaly

38.3045, 40.0133, 41.7809

Deuteranomaly

39.9027, 40.0075, 42.1783

Tritanomaly

38.9741, 39.9846, 46.2211

Monochromacy



Original Color

38.0842, 39.8998, 41.7706

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.3307, 40.2720, 43.2891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0842, 39.8998, 41.7706 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(172, 169, 166) looks like.

```
.text, #text, p{  
    color:rgb(172, 169, 166)  
}
```

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(172, 169, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 169, 166) }
```

Border

The CSS property to change the border of an element to XYZ 38.0842, 39.8998, 41.7706 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(172, 169, 166) }
```


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

```
.border{ border-color:rgb(172, 169, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 169, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 169, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 169, 166);  
box-shadow:4px 4px 4px 4px rgb(172, 169,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0842, 39.8998, 41.7706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 169, 166) }
```

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

```
.background{ background-color: rgb(172,  
169, 166) }
```

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