

Converting Colors

XYZ(37.8147, 40.4252, 38.6111)

Have a look what the booklet for
XYZ(37.8147, 40.4252, 38.6111)
contains.

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Color

**XYZ(37.8342, 40.3997,
38.6047)**

Conversions

Conversions Part 1

Format	Color
Hex	ACAB9F
RGB	172, 171, 159
RGB Percent	67%, 67%, 62%
CMY	0.3255, 0.3294, 0.3765
CMYK	0.00, 0.01, 0.08, 0.33
HSL	55°, 7%, 65%
HSV	55°, 8%, 67%
XYZ	37.8342, 40.3997, 38.6047
YIQ	169.9310, 4.4480, -3.5200

Conversions

Conversions Part 2

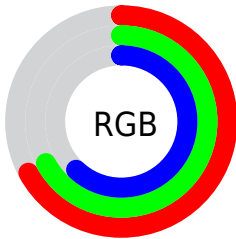
Format	Color
RYB	160, 172, 159
Decimal	11316127
CIELab	69.75, -1.82, 6.30
CIElCh	70, 6.554, 106.125
Yxy	40.3997, 0.3238, 0.3458
Android (android.graphics.Color)	4289506207 (0xFFACAB9F)
YUV	169.9310, -5.3890, 1.8145
Hunter-Lab	63.5608, -4.9802, 8.4817

Details

The XYZ color **37.8342, 40.3997, 38.6047** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.3152, 35.4905, 44.0720**, and the grayscale version is **38.1995, 40.1889, 43.7657**.

A 20% lighter version of the original color is **71.0125, 75.5786, 74.4637**, and **17.0493, 18.2694, 16.8151** is the 20% darker color. If you saturate the color by 10%, you get **36.1969, 39.3495, 31.2004**, and if you desaturate by 10%, it is **39.6840, 41.5415, 47.1056**.

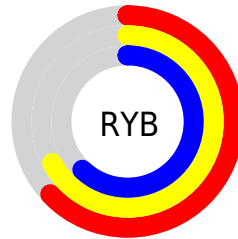
Distribution



Red (67%)

Green (67%)

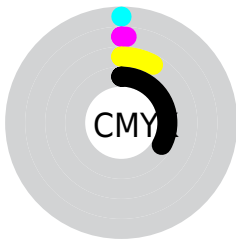
Blue (62%)



Red (63%)

Yellow (67%)

Blue (62%)

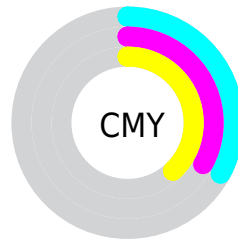


Cyan (0%)

Magenta (1%)

Yellow (8%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8342, 40.3997, 38.6047 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 37.8342, 40.3997, 38.6047 by changing the saturation by 10% instead.

■ 37.8342, 40.3997,
38.6047

■ 37.8342, 40.3997,
38.6047

328.2014,
347.8054, 355.5826

■ 26.0307, 27.8503,
26.1469

■ 71.1595, 75.7718,
74.2477

■ 16.9794, 18.2129,
16.7068

■ 93.4119, 99.3633,
98.2700

■ 10.3150, 11.1029,
9.8659

119.8781,
127.4043, 126.9842

■ 5.6722, 6.1361,
5.2057

150.9232,
160.2791, 160.8088

■ 2.6855, 2.9280,
2.3076

186.9128,
198.3723, 200.1624

■ 0.9897, 1.0943,
0.7355

228.2121,

■ 0.0000, 0.0000,

242.0681, 245.4636

0.0000

275.1865,
291.7510, 297.1308

■ 37.8342, 40.3997,
38.6047

■ 37.8342, 40.3997,
38.6047

■ 36.1969, 39.3495,
31.2004

■ 39.6840, 41.5415,
47.1056

■ 34.7602, 38.3822,
24.8451

■ 41.7509, 42.7728,
56.7426

■ 33.5160, 37.4958,
19.4917

■ 44.0437, 44.0985,
67.5569

■ 32.4546, 36.6865,
15.0884

■ 46.5697, 45.5215,
79.5865

■ 31.5652, 35.9500,
11.5788

■ 49.3357, 47.0444,
92.8678

■ 30.8360, 35.2814,
8.9006

■ 51.1669, 48.1975,
101.2140

■ 30.2535, 34.6755,
6.9834

■ 51.4323, 48.7284,
101.3025

■ 29.8023, 34.1259,
5.7453

■ 51.7002, 49.2643,
101.3918

■ 29.4580, 33.6230,
5.0579

■ 51.9707, 49.8053,
101.4820

Harmonies

Analogous

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



38.8906, 40.3997, 38.5502



37.8342, 40.3997, 38.6047



36.9450, 40.3997, 40.0573

Triad

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



37.8342, 40.3997, 38.6047



37.0004, 40.3997, 48.3414



40.4160, 40.3997, 45.4062

Complementary

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



37.8342, 40.3997, 38.6047



34.3152, 35.4905, 44.0720

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.



39.8900, 40.3997, 48.1686



37.8342, 40.3997, 38.6047



37.9110, 40.3997, 49.9154

Square

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



37.8342, 40.3997, 38.6047



36.4697, 40.3997, 45.6332



38.9688, 40.3997, 49.8507



40.3945, 40.3997, 42.3836

Rectangle

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



37.8342, 40.3997, 38.6047



36.5610, 40.3997, 41.6630



38.9688, 40.3997, 49.8507



40.2969, 40.3997, 46.3988

Sweetspot

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



37.8353, 40.4015, 38.6056



70.4419, 74.4153, 78.3000



35.7644, 36.1085, 38.3811



15.3169, 16.1772, 17.0545



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.



37.8353, 40.4015, 38.6056



68.1362, 72.9768, 67.7499



36.8595, 40.1790, 38.6141



8.6094, 9.2235, 8.5399



21.8810, 24.9675, 3.6660



0.6239, 0.7249, 0.1070

Inverse Universe

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



34.3152, 35.4905, 44.0720



60.4784, 62.2933, 79.6420



35.2411, 35.7123, 44.0660



7.6264, 7.8522, 10.0664



5.6672, 2.4683, 29.2223



0.1733, 0.0999, 0.8181

Previews

White Background



This preview shows how the XYZ color 37.8342, 40.3997, 38.6047 looks on a white background.

Color Contrast Check

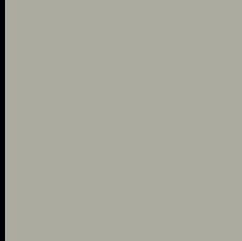
Large Text (above 18pt) WCAG AA × Fail

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 37.8342, 40.3997, 38.6047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

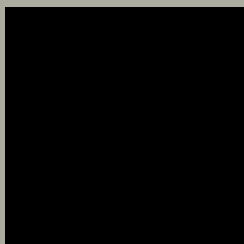
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8342, 40.3997, 38.6047

Background



This preview shows how black text looks on a background with the XYZ color 37.8342, 40.3997, 38.6047.



This preview shows how white text looks on a background with the XYZ color 37.8342, 40.3997,

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

37.8342, 40.3997, 38.6047

Protanopia

38.4508, 40.4482, 38.1285

Deuteranopia

41.1065, 40.1654, 38.8438



Tritanopia

40.0223, 40.4554, 49.4153

Trichromacy



Original Color

37.8342, 40.3997, 38.6047

Protanomaly

38.2255, 40.3320, 38.1179

Deuteranomaly

39.9310, 40.3658, 38.9445

Tritanomaly

39.1864, 40.3917, 45.2662

Monochromacy



Original Color

37.8342, 40.3997, 38.6047

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.0522, 40.1606, 41.8226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8342, 40.3997, 38.6047 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, 171, 159)` looks like.

```
.text, #text, p{  
    color:rgb(172, 171, 159)  
}
```

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, 171, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 171, 159) }
```

Border

The CSS property to change the border of an element to XYZ 37.8342, 40.3997, 38.6047 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, 171, 159) }
```


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

```
.border{ border-color:rgb(172, 171, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 171, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 171, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 171, 159);  
box-shadow:4px 4px 4px 4px rgb(172, 171,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8342, 40.3997, 38.6047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 171, 159) }
```

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

```
.background{ background-color: rgb(172,  
171, 159) }
```

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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