

Converting Colors

XYZ(37.7852, 39.9636, 40.8523)

Have a look what the booklet for
XYZ(37.7852, 39.9636, 40.8523)
contains.

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Color

**XYZ(37.8702, 40.0877,
40.8637)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAAA4
RGB	171, 170, 164
RGB Percent	67%, 67%, 64%
CMY	0.3294, 0.3333, 0.3569
CMYK	0.00, 0.01, 0.04, 0.33
HSL	51°, 4%, 66%
HSV	51°, 4%, 67%
XYZ	37.8702, 40.0877, 40.8637
YIQ	169.6150, 2.5220, -1.6540

Conversions

Conversions Part 2

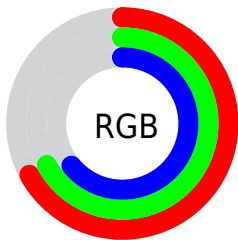
Format	Color
RYB	165, 171, 164
Decimal	11250340
CIELab	69.53, -0.75, 3.21
CIELCh	70, 3.292, 103.163
Yxy	40.0877, 0.3187, 0.3374
Android (android.graphics.Color)	4289440420 (0xFFABAAA4)
YUV	169.6150, -2.7682, 1.2146
Hunter-Lab	63.3148, -4.0357, 6.0543

Details

The XYZ color **37.8702, 40.0877, 40.8637** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.1158, 37.7427, 43.9103**, and the grayscale version is **38.0303, 40.0108, 43.5718**.

A 20% lighter version of the original color is **71.0754, 75.1337, 77.7740**, and **17.0108, 18.0487, 17.9164** is the 20% darker color. If you saturate the color by 10%, you get **35.9766, 38.6076, 33.1189**, and if you desaturate by 10%, it is **39.9822, 41.6713, 49.7067**.

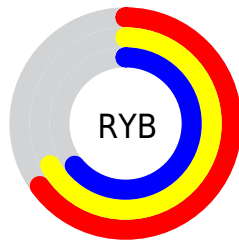
Distribution



Red (67%)

Green (67%)

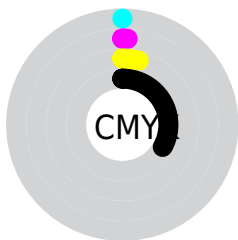
Blue (64%)



Red (65%)

Yellow (67%)

Blue (64%)

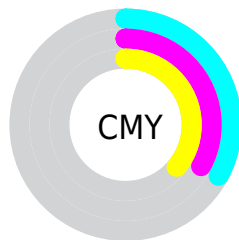


Cyan (0%)

Magenta (1%)

Yellow (4%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8702, 40.0877, 40.8637 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 37.8702, 40.0877, 40.8637 by changing the saturation by 10% instead.

■ 37.8702, 40.0877,
40.8637

■ 37.8702, 40.0877,
40.8637

328.3533,
346.4931, 365.4104

■ 26.0587, 27.6069,
27.8937

■ 71.2143, 75.2970,
77.7284

■ 17.0005, 18.0296,
18.0072

■ 93.4777, 98.7944,
102.4601

■ 10.3301, 10.9712,
10.7857

119.9557,
126.7327, 131.9495

■ 5.6823, 6.0475,
5.8105

151.0138,
159.4965, 166.6151

■ 2.6917, 2.8740,
2.6633

187.0172,
197.4700, 206.8755

■ 0.9929, 1.0663,
0.9249

228.3314,

■ 0.0000, 0.0000,

241.0376, 253.1491

0.0000

275.3216,
290.5839, 305.8546

■ 37.8702, 40.0877,
40.8637

■ 37.8702, 40.0877,
40.8637

■ 35.9766, 38.6076,
33.1189

■ 39.9822, 41.6713,
49.7067

■ 34.2897, 37.2223,
26.4265

■ 42.3171, 43.3564,
59.6863

■ 32.8019, 35.9301,
20.7410

■ 44.8834, 45.1478,
70.8422

■ 31.5037, 34.7270,
16.0128

■ 47.6881, 47.0482,
83.2113

■ 30.3848, 33.6089,
12.1879

■ 50.7380, 49.0606,
96.8290

■ 29.4339, 32.5712,
9.2072

■ 52.1146, 50.4176,
101.5926

■ 28.6384, 31.6087,
7.0043

■ 52.6273, 51.4429,
101.7635

■ 27.9837, 30.7156,
5.5029

■ 53.1487, 52.4858,
101.9373

■ 27.4525, 29.8848,
4.6115

■ 53.6790, 53.5463,
102.1140

Harmonies

Analogous

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



38.3986, 40.0877, 40.9101



37.8702, 40.0877, 40.8637



37.4082, 40.0877, 41.5510

Triad

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



37.8702, 40.0877, 40.8637



37.3625, 40.0877, 45.6791



39.0875, 40.0877, 44.5009

Complementary

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



37.8702, 40.0877, 40.8637



36.1158, 37.7427, 43.9103

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.



38.8047, 40.0877, 45.8158



37.8702, 40.0877, 40.8637



37.8073, 40.0877, 46.5068

Square

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



37.8702, 40.0877, 40.8637



37.1169, 40.0877, 44.3177



38.3351, 40.0877, 46.5574



39.1047, 40.0877, 42.9864

Rectangle

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



37.8702, 40.0877, 40.8637



37.1986, 40.0877, 42.3422



38.3351, 40.0877, 46.5574



39.0202, 40.0877, 44.9818

Sweetspot

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



37.8713, 40.0894, 40.8646



68.9454, 72.6490, 77.8434



36.8668, 37.9279, 40.9995



15.3797, 16.2045, 17.3786



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.



37.8713, 40.0894, 40.8646



67.4698, 71.5250, 71.7184



37.5302, 40.1922, 40.9024



8.7310, 9.2624, 9.2105



20.5131, 22.2317, 3.2100



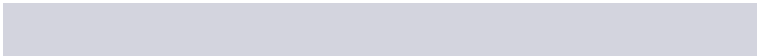
0.5968, 0.6707, 0.0980

Inverse Universe

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



36.1158, 37.7427, 43.9103



63.5873, 66.3350, 78.4544



36.4472, 37.6476, 43.8745



8.1796, 8.5253, 10.1671



5.8175, 2.7689, 29.2724



0.1896, 0.1326, 0.8236

Previews

White Background



This preview shows how the XYZ color 37.8702, 40.0877, 40.8637 looks on a white background.

Color Contrast Check

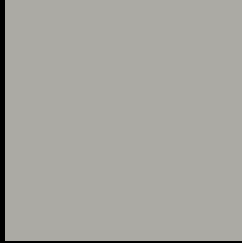
Large Text (above 18pt) WCAG AA × Fail

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 37.8702, 40.0877, 40.8637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

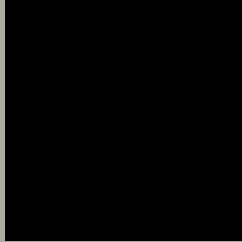
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8702, 40.0877, 40.8637

Background



This preview shows how black text looks on a background with the XYZ color 37.8702, 40.0877, 40.8637.



This preview shows how white text looks on a background with the XYZ color 37.8702, 40.0877,

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

37.8702, 40.0877, 40.8637

Protanopia

38.2544, 40.0189, 40.3585

Deuteranopia

40.8060, 39.9589, 41.1594



Tritanopia

39.3928, 39.8579, 49.3332

Trichromacy



Original Color

37.8702, 40.0877, 40.8637

Protanomaly

38.0324, 39.9045, 40.3481

Deuteranomaly

39.7192, 39.9341, 41.2119

Tritanomaly

38.7538, 39.8711, 46.2108

Monochromacy



Original Color

37.8702, 40.0877, 40.8637

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.0202, 40.1227, 42.7864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8702, 40.0877, 40.8637 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(171, 170, 164)` looks like.

```
.text, #text, p{  
    color:rgb(171, 170, 164)  
}
```

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(171, 170, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 170, 164) }
```

Border

The CSS property to change the border of an element to XYZ 37.8702, 40.0877, 40.8637 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(171, 170, 164) }
```


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

```
.border{ border-color:rgb(171, 170, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 170, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 170, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 170, 164);  
box-shadow:4px 4px 4px 4px rgb(171, 170,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8702, 40.0877, 40.8637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 170, 164) }
```

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

```
.background{ background-color: rgb(171,  
170, 164) }
```

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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