

Converting Colors

XYZ(37.1783, 37.7922, 42.3809)

Have a look what the booklet for
XYZ(37.1783, 37.7922, 42.3809)
contains.

XYZ(37.1783, 37.7922, 42.3809)	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(37.1783, 37.7922,
42.3809)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA3A8
RGB	172, 163, 168
RGB Percent	67%, 64%, 66%
CMY	0.3255, 0.3608, 0.3412
CMYK	0.00, 0.05, 0.02, 0.33
HSL	327°, 5%, 66%
HSV	327°, 5%, 67%
XYZ	37.1783, 37.7922, 42.3809
YIQ	166.2610, 3.7590, 3.4630

Conversions

Conversions Part 2

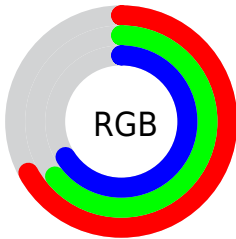
Format	Color
RYB	172, 163, 168
Decimal	11314088
CIELab	67.87, 4.17, -1.43
CIElCh	68, 4.409, 341.097
Yxy	37.7922, 0.3168, 0.3220
Android (android.graphics.Color)	4289504168 (0xFFACA3A8)
YUV	166.2610, 0.8573, 5.0331
Hunter-Lab	61.4754, 0.3691, 2.1584

Details

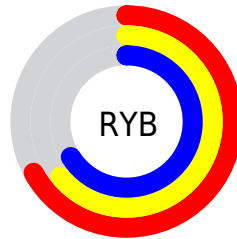
The XYZ color **37.1783, 37.7922, 42.3809** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.8332, 40.0825, 42.3565**, and the grayscale version is **36.3673, 38.2613, 41.6665**.

A 20% lighter version of the original color is **70.0692, 71.8014, 79.9781**, and **16.5826, 16.6229, 18.8575** is the 20% darker color. If you saturate the color by 10%, you get **33.6384, 31.8187, 37.7891**, and if you desaturate by 10%, it is **41.1777, 44.6165, 47.3334**.

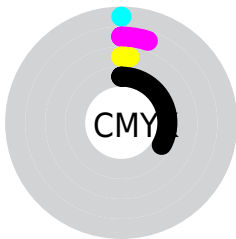
Distribution



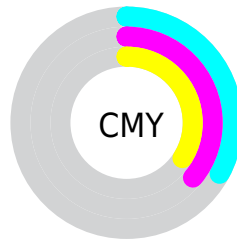
- Red (67%)
- Green (64%)
- Blue (66%)



- Red (67%)
- Yellow (64%)
- Blue (66%)



- Cyan (0%)
- Magenta (5%)
- Yellow (2%)
- Black (33%)



- Cyan (33%)
- Magenta (36%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1783, 37.7922, 42.3809 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 37.1783, 37.7922, 42.3809 by changing the saturation by 10% instead.

■ 37.1783, 37.7922,
42.3809

■ 37.1783, 37.7922,
42.3809

325.4240,
336.7277, 371.9056

■ 25.5199, 25.8214,
29.0719

■ 70.1590, 71.7895,
80.0521

■ 16.5956, 16.6901,
18.8891

■ 92.2119, 94.5849,
105.2513

■ 10.0401, 10.0138,
11.4142

118.4605,
121.7572, 135.2510

■ 5.4880, 5.4081,
6.2285

149.2699,
153.6910, 170.4697

■ 2.5740, 2.4886,
2.9135

185.0056,
190.7705, 211.3260

■ 0.9327, 0.8709,
1.0506

226.0330,

■ 0.0000, 0.0000,

233.3802, 258.2384

0.0000

272.7173,
281.9045, 311.6254

■ 37.1783, 37.7922,
42.3809

■ 37.1783, 37.7922,
42.3809

■ 33.6384, 31.8187,
37.7891

■ 41.1777, 44.6165,
47.3334

■ 30.5373, 26.6574,
33.5464

■ 45.6496, 52.3183,
52.6532

■ 27.8576, 22.2742,
29.6437

■ 50.6108, 60.9295,
58.3496

■ 25.5794, 18.6305,
26.0707

■ 56.0761, 70.4784,
64.4308

■ 23.6812, 15.6845,
22.8165

■ 62.0597, 80.9927,
70.9047

■ 22.1394, 13.3901,
19.8691

■ 64.8960, 85.1398,
76.5526

■ 20.9273, 11.6955,
17.2157

■ 65.8952, 85.5394,
81.8143

■ 20.0145, 10.5413,
14.8419

■ 66.9408, 85.9577,
87.3207

■ 19.3632, 9.8531,
12.7308

■ 68.0336, 86.3948,
93.0749

Harmonies

Analogous

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



36.7913, 37.7922, 44.0518



37.1783, 37.7922, 42.3809



37.2257, 37.7922, 40.4290

Triad

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



37.1783, 37.7922, 42.3809



35.6680, 37.7922, 37.5647



34.9389, 37.7922, 43.6737

Complementary

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



37.1783, 37.7922, 42.3809



36.8332, 40.0825, 42.3565

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.



34.6459, 37.7922, 41.8781



37.1783, 37.7922, 42.3809



35.0632, 37.7922, 38.3771

Square

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



37.1783, 37.7922, 42.3809



36.3479, 37.7922, 37.6896



34.6911, 37.7922, 39.9418



35.4962, 37.7922, 44.8144

Rectangle

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



37.1783, 37.7922, 42.3809



37.0577, 37.7922, 39.2354



34.6911, 37.7922, 39.9418



34.8065, 37.7922, 43.1244

Sweetspot

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



37.1794, 37.7938, 42.3817



69.6738, 72.3472, 79.6842



36.4602, 37.3794, 44.3234



15.1592, 15.7524, 17.3390



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.



37.1794, 37.7938, 42.3817



66.8521, 67.5517, 76.1295



36.7765, 37.6327, 40.2603



8.4179, 8.4821, 9.5814



14.2438, 7.1601, 8.9293



0.4232, 0.2100, 0.3905

Inverse Universe

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



37.1794, 37.7938, 42.3817



66.8521, 67.5517, 76.1295



37.2468, 40.2479, 44.5343



8.4179, 8.4821, 9.5814



14.2438, 7.1601, 8.9293



0.4232, 0.2100, 0.3905

Previews

White Background



This preview shows how the XYZ color 37.1783, 37.7922, 42.3809 looks on a white background.

Color Contrast Check

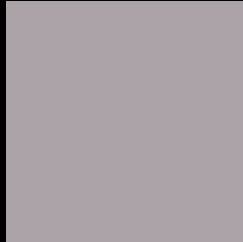
Large Text (above 18pt) WCAG AA × Fail

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 37.1783, 37.7922, 42.3809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

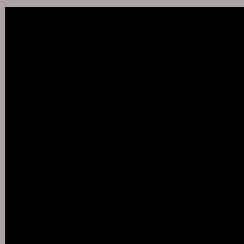
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1783, 37.7922, 42.3809

Background



This preview shows how black text looks on a background with the XYZ color 37.1783, 37.7922, 42.3809.



This preview shows how white text looks on a background with the XYZ color 37.1783, 37.7922,

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

37.1783, 37.7922, 42.3809

Protanopia

36.3732, 37.6310, 42.8825

Deuteranopia

38.5546, 37.7095, 42.7827



Tritanopia

37.8918, 37.8200, 45.8603

Trichromacy



Original Color

37.1783, 37.7922, 42.3809

Protanomaly

36.7991, 37.8505, 42.9025

Deuteranomaly

38.0378, 37.7014, 42.8084

Tritanomaly

37.6003, 37.7035, 44.3255

Monochromacy



Original Color

37.1783, 37.7922, 42.3809

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.5786, 38.0251, 41.9709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1783, 37.7922, 42.3809 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, 163, 168)` looks like.

```
.text, #text, p{  
    color:rgb(172, 163, 168)  
}
```

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, 163, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 163, 168) }
```

Border

The CSS property to change the border of an element to XYZ 37.1783, 37.7922, 42.3809 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, 163, 168) }
```


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

```
.border{ border-color:rgb(172, 163, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 163, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 163, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 163, 168);  
box-shadow:4px 4px 4px 4px rgb(172, 163,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1783, 37.7922, 42.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 163, 168) }
```

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

```
.background{ background-color: rgb(172,  
163, 168) }
```

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