

Converting Colors

XYZ(37.7132, 40.7494, 40.5872)

Have a look what the booklet for
XYZ(37.7132, 40.7494, 40.5872)
contains.

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Color

**XYZ(37.7029, 40.8563,
40.5492)**

Conversions

Conversions Part 1

Format	Color
Hex	A8ADA3
RGB	168, 173, 163
RGB Percent	66%, 68%, 64%
CMY	0.3412, 0.3216, 0.3608
CMYK	0.03, 0.00, 0.06, 0.32
HSL	90°, 6%, 66%
HSV	90°, 6%, 68%
XYZ	37.7029, 40.8563, 40.5492
YIQ	170.3650, 0.2300, -4.1700

Conversions

Conversions Part 2

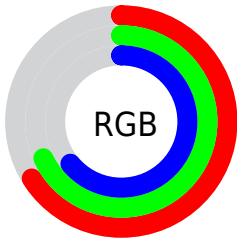
Format	Color
RYB	163, 173, 168
Decimal	11054499
CIELab	70.08, -3.63, 4.51
CIELCh	70, 5.794, 128.837
Yxy	40.8563, 0.3165, 0.3430
Android (android.graphics.Color)	4289244579 (0xFFA8ADA3)
YUV	170.3650, -3.6309, -2.0741
Hunter-Lab	63.9189, -6.5690, 7.1306

Details

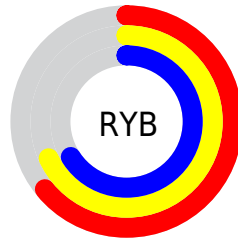
The XYZ color **37.7029, 40.8563, 40.5492** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7900, 37.5374, 44.8436**, and the grayscale version is **38.4091, 40.4093, 44.0058**.

A 20% lighter version of the original color is **70.8297, 76.2367, 77.3117**, and **16.9091, 18.5354, 17.7254** is the 20% darker color. If you saturate the color by 10%, you get **34.4767, 39.3613, 32.8527**, and if you desaturate by 10%, it is **41.2661, 42.5028, 49.3702**.

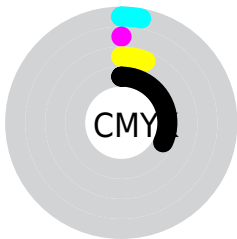
Distribution



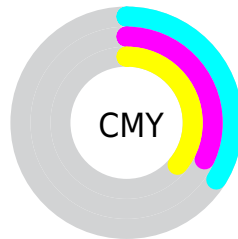
- Red (66%)
- Green (68%)
- Blue (64%)



- Red (64%)
- Yellow (68%)
- Blue (66%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (32%)



- Cyan (34%)
- Magenta (32%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7029, 40.8563, 40.5492 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 37.7029, 40.8563, 40.5492 by changing the saturation by 10% instead.

■ 37.7029, 40.8563,
40.5492

■ 37.7029, 40.8563,
40.5492

327.6467,
349.7197, 364.0537

■ 25.9283, 28.2068,
27.6500

■ 70.9594, 76.4657,
77.2453

■ 16.9024, 18.4816,
17.8252

■ 93.1720, 100.1944,
101.8793

■ 10.2598, 11.2963,
10.6564

119.5947,
128.3850, 131.2619

■ 5.6352, 6.2665,
5.7251

150.5928,
161.4218, 165.8117

■ 2.6631, 3.0078,
2.6126

186.5317,
199.6893, 205.9472

■ 0.9782, 1.1358,
0.8989

227.7768,

■ 0.0000, 0.0083,

243.5719, 252.0870

0.0000

274.6933,
293.4538, 304.6497

■ 0.0000, 0.0000,
0.0000

■ 37.7029, 40.8563,
40.5492

■ 37.7029, 40.8563,
40.5492

■ 34.4767, 39.3613,
32.8527

■ 41.2661, 42.5028,
49.3702

■ 31.5732, 38.0080,
26.2327

■ 45.1732, 44.3000,
59.3556

■ 28.9819, 36.7932,
20.6421

■ 49.4352, 46.2539,
70.5467

■ 26.6904, 35.7117,
16.0289

■ 54.0617, 48.3685,
82.9818

■ 24.6855, 34.7577,
12.3367

■ 59.0617, 50.6477,
96.6977

■ 22.9527, 33.9254,
9.5033

■ 62.4845, 52.3115,
101.4116

■ 21.4760, 33.2078,
7.4588

■ 65.1704, 53.6961,
101.5373

■ 20.2371, 32.5974,
6.1225

■ 67.9938, 55.1516,
101.6694

■ 19.2132, 32.0847,
5.3899

■ 70.9567, 56.6790,
101.8081

Harmonies

Analogous

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



38.5538, 40.8563, 39.5331



37.7029, 40.8563, 40.5492



37.1606, 40.8563, 42.6309

Triad

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



37.7029, 40.8563, 40.5492



38.1796, 40.8563, 49.5237



40.6583, 40.8563, 43.6899

Complementary

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



37.7029, 40.8563, 40.5492



36.7900, 37.5374, 44.8436

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.



40.5541, 40.8563, 46.3932



37.7029, 40.8563, 40.5492



39.1129, 40.8563, 49.8353

Square

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



37.7029, 40.8563, 40.5492



37.4327, 40.8563, 47.8337



39.9848, 40.8563, 48.6688



40.2671, 40.8563, 41.2974

Rectangle

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



37.7029, 40.8563, 40.5492



37.0420, 40.8563, 44.3799



39.9848, 40.8563, 48.6688



40.6802, 40.8563, 44.5914

Sweetspot

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



37.7040, 40.8581, 40.5501



69.8417, 74.2434, 78.2984



37.8486, 39.5353, 40.2872



15.1937, 16.1419, 17.0542



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.



37.7040, 40.8581, 40.5501



66.7136, 72.7967, 70.6568



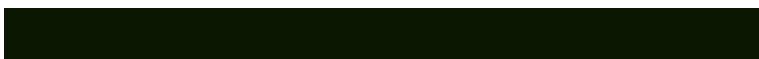
36.6598, 40.3198, 40.5012



8.4109, 9.1931, 8.8749



13.8959, 23.4607, 3.7960



0.4497, 0.6852, 0.1086

Inverse Universe

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



36.7900, 37.5374, 44.8436



64.7150, 65.5361, 80.0446



37.8751, 38.0968, 44.8944



8.1473, 8.2357, 10.1129



8.4623, 3.7224, 29.3170



0.2986, 0.1361, 0.8185

Previews

White Background



This preview shows how the XYZ color 37.7029, 40.8563, 40.5492 looks on a white background.

Color Contrast Check

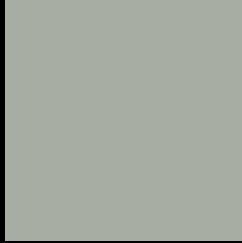
Large Text (above 18pt) WCAG AA × Fail

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 37.7029, 40.8563, 40.5492 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

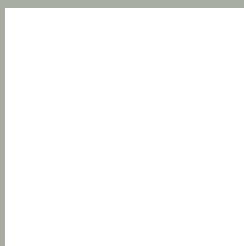
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7029, 40.8563, 40.5492

Background



This preview shows how black text looks on a background with the XYZ color 37.7029, 40.8563, 40.5492.



This preview shows how white text looks on a background with the XYZ color 37.7029, 40.8563,

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

37.7029, 40.8563, 40.5492

Protanopia

38.8008, 40.5882, 39.9717

Deuteranopia

41.4819, 40.5740, 41.2426



Tritanopia

39.7166, 40.8263, 50.5867

Trichromacy



Original Color

37.7029, 40.8563, 40.5492

Protanomaly

38.3181, 40.6187, 40.0030

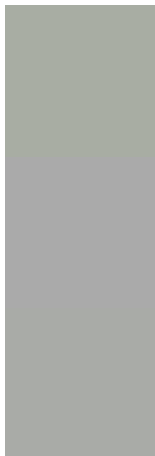
Deuteranomaly

39.9949, 40.6307, 40.8565

Tritanomaly

38.9769, 40.8065, 46.8964

Monochromacy



Original Color

37.7029, 40.8563, 40.5492

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.9001, 40.3509, 42.3502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7029, 40.8563, 40.5492 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(168, 173, 163)` looks like.

```
.text, #text, p{  
    color:rgb(168, 173, 163)  
}
```

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(168, 173, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 173, 163) }
```

Border

The CSS property to change the border of an element to XYZ 37.7029, 40.8563, 40.5492 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(168, 173, 163) }
```


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

```
.border{ border-color:rgb(168, 173, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 173, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 173, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 173, 163);  
box-shadow:4px 4px 4px 4px rgb(168, 173,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7029, 40.8563, 40.5492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 173, 163) }
```

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

```
.background{ background-color: rgb(168,  
173, 163) }
```

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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