

Converting Colors

XYZ(39.8988, 42.3888, 37.0896)

Have a look what the booklet for
XYZ(39.8988, 42.3888, 37.0896)
contains.

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Color

**XYZ(39.8748, 42.3420,
37.0815)**

Conversions

Conversions Part 1

Format	Color
Hex	B4AE9B
RGB	180, 174, 155
RGB Percent	71%, 68%, 61%
CMY	0.2941, 0.3176, 0.3922
CMYK	0.00, 0.03, 0.14, 0.29
HSL	46°, 14%, 66%
HSV	46°, 14%, 71%
XYZ	39.8748, 42.3420, 37.0815
YIQ	173.6280, 9.6750, -4.6370

Conversions

Conversions Part 2

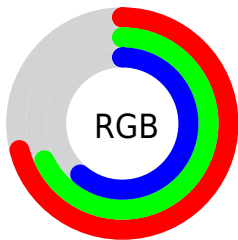
Format	Color
R_{YB}	163, 180, 155
Decimal	11841179
CIE Lab	71.11, -1.15, 10.52
CIE LCh	71, 10.578, 96.264
Yxy	42.3420, 0.3342, 0.3549
Android (android.graphics.Color)	4290031259 (0xFFB4AE9B)
YUV	173.6280, -9.1836, 5.5882
Hunter-Lab	65.0707, -4.4905, 11.7622

Details

The XYZ color **39.8748, 42.3420, 37.0815** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.5004, 35.7527, 48.2628**, and the grayscale version is **40.0844, 42.1719, 45.9252**.

A 20% lighter version of the original color is **74.1200, 78.4749, 71.5622**, and **18.2106, 19.4306, 15.8874** is the 20% darker color. If you saturate the color by 10%, you get **37.6542, 40.1420, 29.4310**, and if you desaturate by 10%, it is **42.3499, 44.6895, 45.9297**.

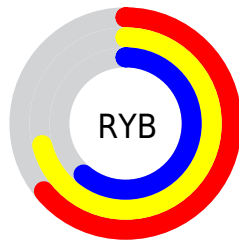
Distribution



Red (71%)

Green (68%)

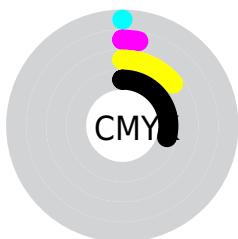
Blue (61%)



Red (64%)

Yellow (71%)

Blue (61%)

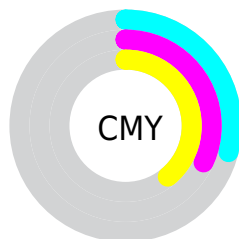


Cyan (0%)

Magenta (3%)

Yellow (14%)

Black (29%)



Cyan (29%)

Magenta (32%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8748, 42.3420, 37.0815 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 39.8748, 42.3420, 37.0815 by changing the saturation by 10% instead.

■ 39.8748, 42.3420,
37.0815

■ 39.8748, 42.3420,
37.0815

336.7391,
355.8987, 348.8425

■ 27.6247, 29.3692,
24.9743

■ 74.2584, 78.7170,
71.8858

■ 18.1820, 19.3603,
15.8391

■ 97.1226, 102.8879,
95.4201

■ 11.1812, 11.9309,
9.2572

124.2555,
131.5603, 123.6004

■ 6.2570, 6.6966,
4.8102

156.0226,
165.1186, 156.8454

■ 3.0441, 3.2731,
2.0796

192.7891,
203.9473, 195.5736

■ 1.1771, 1.2759,
0.6036

234.9205,

■ 0.0882, 0.1224,

248.4305, 240.2035

0.0000

282.7820,
298.9529, 291.1536

■ 0.0000, 0.0000,
0.0000

■ 39.8748, 42.3420,
37.0815

■ 39.8748, 42.3420,
37.0815

■ 37.6542, 40.1420,
29.4310

■ 42.3499, 44.6895,
45.9297

■ 35.6744, 38.0794,
22.9230

■ 45.0857, 47.1831,
56.0220

■ 33.9257, 36.1514,
17.5021

■ 48.0922, 49.8288,
67.4057

■ 32.3963, 34.3528,
13.1071

■ 51.3782, 52.6302,
80.1248

■ 31.0731, 32.6779,
9.6709

■ 54.9517, 55.5911,
94.2213

■ 29.9416, 31.1205,
7.1182

■ 57.5052, 58.1888,
102.8085

■ 28.9850, 29.6736,
5.3624

■ 58.5186, 60.2157,
103.1463

■ 28.1835, 28.3287,
4.2992

■ 59.5605, 62.2994,
103.4936

■ 27.7440, 27.5463,
3.8547

■ 60.6311, 64.4405,
103.8504

Harmonies

Analogous

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



41.6296, 42.3420, 37.7479



39.8748, 42.3420, 37.0815



38.2661, 42.3420, 38.6858

Triad

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



39.8748, 42.3420, 37.0815



37.5639, 42.3420, 52.1092



43.4397, 42.3420, 50.1369

Complementary

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



39.8748, 42.3420, 37.0815



34.5004, 35.7527, 48.2628

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.



42.2906, 42.3420, 54.4129



39.8748, 42.3420, 37.0815



38.8910, 42.3420, 55.6086

Square

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



39.8748, 42.3420, 37.0815



36.9573, 42.3420, 47.1743



40.6171, 42.3420, 56.4811



43.7217, 42.3420, 45.0485

Rectangle

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



39.8748, 42.3420, 37.0815



37.4817, 42.3420, 40.9016



40.6171, 42.3420, 56.4811



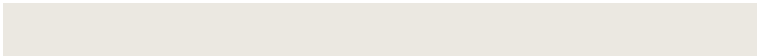
43.1404, 42.3420, 51.7281

Sweetspot

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



39.8759, 42.3439, 37.0824



76.7042, 80.9523, 82.9714



36.9992, 35.7285, 38.7806



16.5029, 17.4262, 17.6586



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.8759, 42.3439, 37.0824



70.8821, 75.3908, 62.2787



39.6379, 43.9793, 37.4106



9.0209, 9.5544, 9.0213



19.4175, 19.3336, 2.7083



0.6528, 0.6919, 0.0992

Inverse Universe

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



34.5004, 35.7527, 48.2628



59.0307, 60.8601, 86.9305



34.7084, 34.3416, 47.9795



8.2020, 8.5502, 10.7244



6.4019, 3.6041, 30.4952



0.2473, 0.2051, 0.9748

Previews

White Background



This preview shows how the XYZ color 39.8748, 42.3420, 37.0815 looks on a white background.

Color Contrast Check

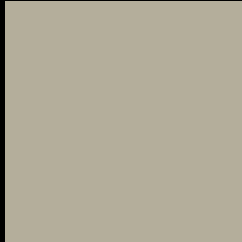
Large Text (above 18pt) WCAG AA × Fail

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 39.8748, 42.3420, 37.0815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

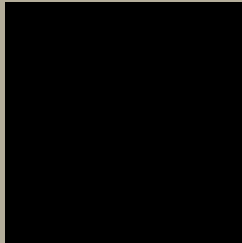
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

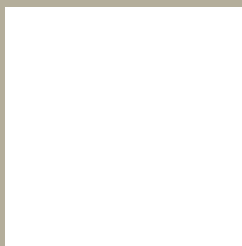
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8748, 42.3420, 37.0815

Background



This preview shows how black text looks on a background with the XYZ color 39.8748, 42.3420, 37.0815.



This preview shows how white text looks on a background with the XYZ color 39.8748, 42.3420,

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

39.8748, 42.3420, 37.0815

Protanopia

40.1514, 42.1988, 37.0393

Deuteranopia

43.0293, 42.2759, 37.3447



Tritanopia

42.6891, 42.3587, 50.7258

Trichromacy



Original Color

39.8748, 42.3420, 37.0815

Protanomaly

39.9160, 42.0775, 37.0283

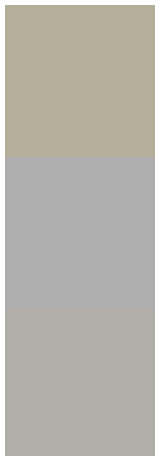
Deuteranomaly

41.8613, 42.2261, 37.3966

Tritanomaly

41.6342, 42.2102, 45.4882

Monochromacy



Original Color

39.8748, 42.3420, 37.0815

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.0156, 42.2922, 42.6134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8748, 42.3420, 37.0815 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(180, 174, 155)` looks like.

```
.text, #text, p{  
    color:rgb(180, 174, 155)  
}
```

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(180, 174, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 174, 155) }
```

Border

The CSS property to change the border of an element to XYZ 39.8748, 42.3420, 37.0815 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(180, 174, 155) }
```


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

```
.border{ border-color:rgb(180, 174, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 174, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 174, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 174, 155);  
box-shadow:4px 4px 4px 4px rgb(180, 174,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8748, 42.3420, 37.0815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 174, 155) }
```

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

```
.background{ background-color: rgb(180,  
174, 155) }
```

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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