

Converting Colors

XYZ(37.8096, 40.1057, 33.7149)

Have a look what the booklet for
XYZ(37.8096, 40.1057, 33.7149)
contains.

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Color

**XYZ(37.8515, 40.2347,
33.7881)**

Conversions

Conversions Part 1

Format	Color
Hex	B1AA94
RGB	177, 170, 148
RGB Percent	69%, 67%, 58%
CMY	0.3059, 0.3333, 0.4196
CMYK	0.00, 0.04, 0.16, 0.31
HSL	46°, 16%, 64%
HSV	46°, 16%, 69%
XYZ	37.8515, 40.2347, 33.7881
YIQ	169.5850, 11.2340, -5.3580

Conversions

Conversions Part 2

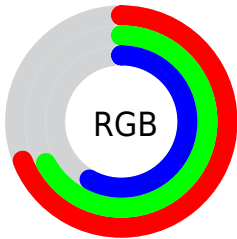
Format	Color
RYB	157, 177, 148
Decimal	11643540
CIELab	69.64, -1.26, 12.24
CIElCh	70, 12.310, 95.876
Yxy	40.2347, 0.3383, 0.3596
Android (android.graphics.Color)	4289833620 (0xFFB1AA94)
YUV	169.5850, -10.6414, 6.5030
Hunter-Lab	63.4308, -4.4865, 12.8192

Details

The XYZ color **37.8515, 40.2347, 33.7881** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.8698, 32.9123, 46.2683**, and the grayscale version is **38.0502, 40.0318, 43.5946**.

A 20% lighter version of the original color is **71.1902, 75.4383, 66.6860**, and **16.9483, 18.1050, 13.9106** is the 20% darker color. If you saturate the color by 10%, you get **35.7691, 38.1429, 26.7024**, and if you desaturate by 10%, it is **40.1763, 42.4678, 42.0126**.

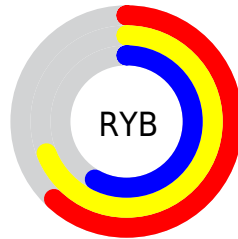
Distribution



Red (69%)

Green (67%)

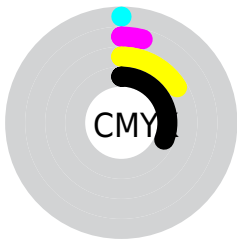
Blue (58%)



Red (62%)

Yellow (69%)

Blue (58%)

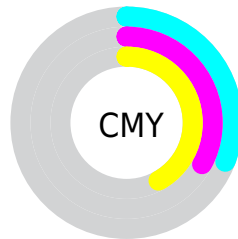


Cyan (0%)

Magenta (4%)

Yellow (16%)

Black (31%)



Cyan (31%)


Magenta (33%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8515, 40.2347, 33.7881 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 37.8515, 40.2347, 33.7881 by changing the saturation by 10% instead.


 37.8515, 40.2347,
33.7881


 37.8515, 40.2347,
33.7881


328.2744,
347.1118, 333.9264

 26.0441, 27.7216,
22.4548


 71.1858, 75.5208,
66.7341

 16.9895, 18.1159,
13.9900


 93.4435, 99.0625,
89.1840

 10.3223, 11.0332,
7.9750


119.9154,
127.0493, 116.1764

 5.6771, 6.0892,
3.9914

150.9667,
159.8654, 148.1300

 2.6885, 2.8994,
1.6206

186.9630,
197.8953, 185.4632

 0.9913, 1.0794,
0.3055

228.2694,

 0.0000, 0.0000,

241.5234, 228.5947

0.0000

275.2514,
291.1341, 277.9429

■ 37.8515, 40.2347,
33.7881

■ 37.8515, 40.2347,
33.7881

■ 35.7691, 38.1429,
26.7024

■ 40.1763, 42.4678,
42.0126

■ 33.9160, 36.1827,
20.7018

■ 42.7497, 44.8409,
51.4212

■ 32.2825, 34.3512,
15.7319

■ 45.5815, 47.3597,
62.0600

■ 30.8570, 32.6434,
11.7330

■ 48.6801, 50.0280,
73.9717

■ 29.6268, 31.0536,
8.6386

■ 52.0533, 52.8493,
87.1971

■ 28.5774, 29.5758,
6.3744

■ 55.7089, 55.8270,
101.7750

■ 27.6922, 28.2029,
4.8538

■ 56.8117, 57.8274,
102.7753

■ 26.9487, 26.9254,
3.9606

■ 57.8139, 59.8318,
103.1093

■ 26.6981, 26.4801,
3.7040

■ 58.8439, 61.8919,
103.4527

Harmonies

Analogous

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



39.8270, 40.2347, 34.5501



37.8515, 40.2347, 33.7881



36.0433, 40.2347, 35.5166

Triad

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



37.8515, 40.2347, 33.7881



35.2248, 40.2347, 50.5489



41.8410, 40.2347, 48.4413

Complementary

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



37.8515, 40.2347, 33.7881



31.8698, 32.9123, 46.2683

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.



40.5281, 40.2347, 53.3004



37.8515, 40.2347, 33.7881



36.6994, 40.2347, 54.5892

Square

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



37.8515, 40.2347, 33.7881



34.5609, 40.2347, 44.9402



38.6349, 40.2347, 55.6373



42.1753, 40.2347, 42.6965

Rectangle

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



37.8515, 40.2347, 33.7881



35.1613, 40.2347, 37.9450



38.6349, 40.2347, 55.6373



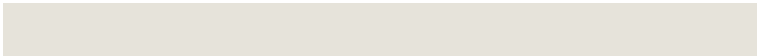
41.4973, 40.2347, 50.2475

Sweetspot

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



37.8526, 40.2365, 33.7890



72.5268, 76.5951, 77.3086



34.6593, 32.9025, 35.6452



15.6520, 16.5379, 16.5169



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



37.8526, 40.2365, 33.7890



66.2649, 70.5486, 55.2526



37.5914, 42.1010, 34.1626



9.0199, 9.5523, 9.0209



19.3925, 19.2835, 2.7000



0.6521, 0.6907, 0.0989

Inverse Universe

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



31.8698, 32.9123, 46.2683



53.3263, 54.7102, 82.2448



32.0918, 31.3481, 45.9546



8.2029, 8.5521, 10.7247



6.4086, 3.6175, 30.4975



0.2477, 0.2059, 0.9749

Previews

White Background



This preview shows how the XYZ color 37.8515, 40.2347, 33.7881 looks on a white background.

Color Contrast Check

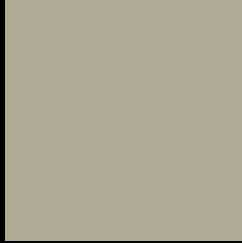
Large Text (above 18pt) WCAG AA × Fail

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 37.8515, 40.2347, 33.7881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

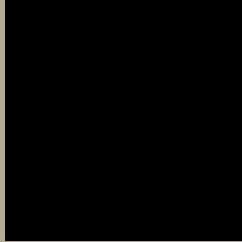
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8515, 40.2347, 33.7881

Background



This preview shows how black text looks on a background with the XYZ color 37.8515, 40.2347, 33.7881.



This preview shows how white text looks on a background with the XYZ color 37.8515, 40.2347,

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

37.8515, 40.2347, 33.7881

Protanopia

38.0801, 40.3525, 33.7988

Deuteranopia

40.9484, 40.1902, 34.0330



Tritanopia

40.8290, 40.3509, 48.2844

Trichromacy



Original Color

37.8515, 40.2347, 33.7881

Protanomaly

38.0801, 40.3525, 33.7988

Deuteranomaly

39.8001, 40.1337, 34.0827

Tritanomaly

39.7090, 40.1679, 42.7061

Monochromacy



Original Color

37.8515, 40.2347, 33.7881

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.1299, 40.2423, 39.9403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8515, 40.2347, 33.7881 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(177, 170, 148)` looks like.

```
.text, #text, p{  
    color:rgb(177, 170, 148)  
}
```

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(177, 170, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 170, 148) }
```

Border

The CSS property to change the border of an element to XYZ 37.8515, 40.2347, 33.7881 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(177, 170, 148) }
```


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

```
.border{ border-color:rgb(177, 170, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 170, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 170, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 170, 148);  
box-shadow:4px 4px 4px 4px rgb(177, 170,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8515, 40.2347, 33.7881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 170, 148) }
```

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

```
.background{ background-color: rgb(177,  
170, 148) }
```

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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