

Converting Colors

XYZ(37.7155, 40.3894, 24.8875)

Have a look what the booklet for
XYZ(37.7155, 40.3894, 24.8875)
contains.

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Color

**XYZ(37.7800, 40.3950,
24.8746)**

Conversions

Conversions Part 1

Format	Color
Hex	B8AA7C
RGB	184, 170, 124
RGB Percent	72%, 67%, 49%
CMY	0.2784, 0.3333, 0.5137
CMYK	0.00, 0.08, 0.33, 0.28
HSL	46°, 30%, 60%
HSV	46°, 33%, 72%
XYZ	37.7800, 40.3950, 24.8746
YIQ	168.9420, 23.1100, -11.3380

Conversions

Conversions Part 2

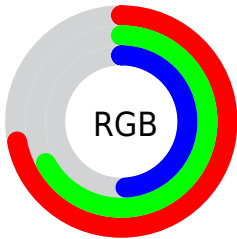
Format	Color
RYB	142, 184, 124
Decimal	12102268
CIELab	69.75, -1.98, 25.58
CIELCh	70, 25.658, 94.429
Yxy	40.3950, 0.3666, 0.3920
Android (android.graphics.Color)	4290292348 (0xFFB8AA7C)
YUV	168.9420, -22.1564, 13.2059
Hunter-Lab	63.5571, -5.1197, 21.2854

Details

The XYZ color **37.7800, 40.3950, 24.8746** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.0523, 25.9221, 48.9779**, and the grayscale version is **37.7823, 39.7500, 43.2877**.

A 20% lighter version of the original color is **71.1367, 75.7255, 52.4622**, and **16.9544, 18.2107, 9.2780** is the 20% darker color. If you saturate the color by 10%, you get **35.9321, 38.3907, 19.0436**, and if you desaturate by 10%, it is **39.8734, 42.5424, 31.8596**.

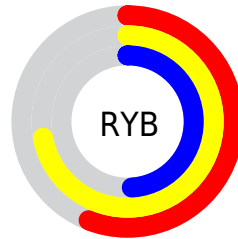
Distribution



Red (72%)

Green (67%)

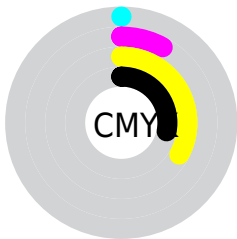
Blue (49%)



Red (56%)

Yellow (72%)

Blue (49%)

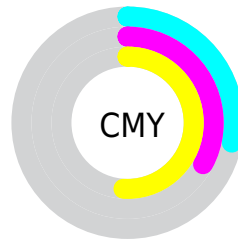


Cyan (0%)

Magenta (8%)

Yellow (33%)

Black (28%)



Cyan (28%)

Magenta (33%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7800, 40.3950, 24.8746 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 37.7800, 40.3950, 24.8746 by changing the saturation by 10% instead.

■ 37.7800, 40.3950,
24.8746

■ 37.7800, 40.3950,
24.8746

327.9725,
347.7856, 290.6405

■ 25.9884, 27.8467,
15.7655

■ 71.0769, 75.7646,
52.4153

■ 16.9476, 18.2101,
9.2058

■ 93.3129, 99.3547,
71.6840

■ 10.2922, 11.1009,
4.7770

■ 119.7611,
127.3941, 95.1763

■ 5.6569, 6.1348,
2.0606

150.7869,
160.2673, 123.3107

■ 2.6763, 2.9272,
0.5922

186.7555,
198.3587, 156.5058

■ 0.9850, 1.0938,
0.0000

228.0325,

■ 0.0000, 0.0000,

242.0526, 195.1801

0.0000

274.9830,
291.7334, 239.7521

■ 37.7800, 40.3950,
24.8746

■ 37.7800, 40.3950,
24.8746

■ 35.9321, 38.3907,
19.0436

■ 39.8734, 42.5424,
31.8596

■ 34.3142, 36.5187,
14.3003

■ 42.2206, 44.8322,
40.0548

■ 32.9139, 34.7750,
10.5755

■ 44.8333, 47.2711,
49.5162

■ 31.7161, 33.1530,
7.7908

■ 47.7215, 49.8634,
60.2950

■ 30.7034, 31.6456,
5.8566

■ 50.8946, 52.6132,
72.4399

■ 29.8553, 30.2439,
4.6655

■ 54.3616, 55.5245,
85.9971

■ 29.3038, 29.2635,
4.1039

■ 58.1310, 58.6011,
101.0104

■ 59.4914, 60.7587,
103.1998

■ 60.5279, 62.8318,
103.5453

Harmonies

Analogous

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



41.9499, 40.3950, 26.3915



37.7800, 40.3950, 24.8746



34.0485, 40.3950, 27.6698

Triad

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



37.7800, 40.3950, 24.8746



32.1694, 40.3950, 58.2426



46.0681, 40.3950, 54.6262

Complementary

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



37.7800, 40.3950, 24.8746



26.0523, 25.9221, 48.9779

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.



43.0948, 40.3950, 65.7043



37.7800, 40.3950, 24.8746



35.0454, 40.3950, 68.0427

Square

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



37.7800, 40.3950, 24.8746



30.9612, 40.3950, 45.7757



39.0151, 40.3950, 70.9930



46.9308, 40.3950, 42.2383

Rectangle

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



37.7800, 40.3950, 24.8746



32.2507, 40.3950, 31.9619



39.0151, 40.3950, 70.9930



45.2723, 40.3950, 58.6942

Sweetspot

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



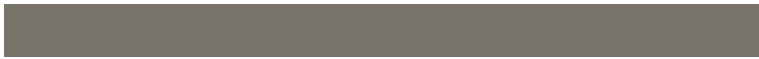
37.7810, 40.3968, 24.8754



77.6469, 82.3242, 76.5806



31.5626, 26.4411, 27.4854



16.6015, 17.6172, 16.0165



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



37.7810, 40.3968, 24.8754



66.0824, 70.6425, 37.4352



36.9273, 44.0613, 25.6277



9.5678, 10.1386, 9.5596



20.2518, 20.2800, 2.8470



0.7578, 0.8027, 0.1150

Inverse Universe

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



26.0523, 25.9221, 48.9779



41.5833, 40.4183, 87.8144



26.6751, 23.4520, 48.4683



8.6866, 9.0505, 11.3685



6.6022, 3.6641, 31.6123



0.2812, 0.2261, 1.1306

Previews

White Background



This preview shows how the XYZ color 37.7800, 40.3950, 24.8746 looks on a white background.

Color Contrast Check

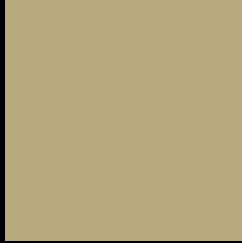
Large Text (above 18pt) WCAG AA × Fail

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 37.7800, 40.3950, 24.8746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

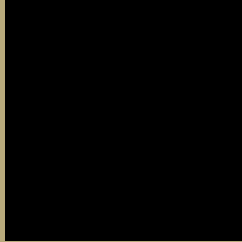
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7800, 40.3950, 24.8746

Background



This preview shows how black text looks on a background with the XYZ color 37.7800, 40.3950, 24.8746.



This preview shows how white text looks on a background with the XYZ color 37.7800, 40.3950,

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

37.7800, 40.3950, 24.8746

Protanopia

37.5413, 40.2720, 24.8634

Deuteranopia

41.1560, 40.2316, 24.9984



Tritanopia

42.1689, 40.2761, 46.6258

Trichromacy



Original Color

37.7800, 40.3950, 24.8746

Protanomaly

37.5413, 40.2720, 24.8634

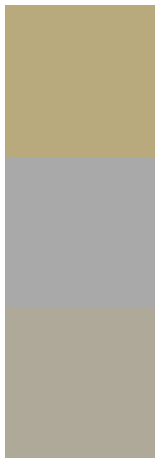
Deuteranomaly

39.8436, 40.3552, 25.0914

Tritanomaly

40.4611, 40.3981, 37.5634

Monochromacy



Original Color

37.7800, 40.3950, 24.8746

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.3933, 39.6745, 35.8241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7800, 40.3950, 24.8746 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(184, 170, 124)` looks like.

```
.text, #text, p{  
    color:rgb(184, 170, 124)  
}
```

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(184, 170, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 170, 124) }
```

Border

The CSS property to change the border of an element to XYZ 37.7800, 40.3950, 24.8746 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(184, 170, 124) }
```


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

```
.border{ border-color:rgb(184, 170, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 170, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 170, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 170, 124);  
box-shadow:4px 4px 4px 4px rgb(184, 170,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7800, 40.3950, 24.8746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 170, 124) }
```

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

```
.background{ background-color: rgb(184,  
170, 124) }
```

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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