

Converting Colors

XYZ(37.7815, 40.2491, 34.4459)

Have a look what the booklet for
XYZ(37.7815, 40.2491, 34.4459)
contains.

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Color

**XYZ(37.7842, 40.1816,
34.6185)**

Conversions

Conversions Part 1

Format	Color
Hex	B0AA96
RGB	176, 170, 150
RGB Percent	69%, 67%, 59%
CMY	0.3098, 0.3333, 0.4118
CMYK	0.00, 0.03, 0.15, 0.31
HSL	46°, 14%, 64%
HSV	46°, 15%, 69%
XYZ	37.7842, 40.1816, 34.6185
YIQ	169.5140, 9.9960, -4.9480

Conversions

Conversions Part 2

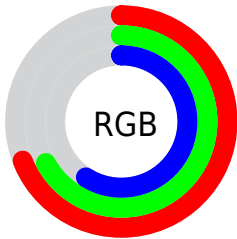
Format	Color
RYB	158, 176, 150
Decimal	11578006
CIELab	69.60, -1.32, 11.08
CIElCh	70, 11.158, 96.774
Yxy	40.1816, 0.3356, 0.3569
Android (android.graphics.Color)	4289768086 (0xFFB0AA96)
YUV	169.5140, -9.6204, 5.6882
Hunter-Lab	63.3890, -4.5323, 11.9923

Details

The XYZ color **37.7842, 40.1816, 34.6185** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.3024, 33.3947, 45.8178**, and the grayscale version is **38.0104, 39.9899, 43.5491**.

A 20% lighter version of the original color is **71.1030, 75.3659, 67.9263**, and **16.8989, 18.0687, 14.4013** is the 20% darker color. If you saturate the color by 10%, you get **35.7233, 38.1598, 27.4568**, and if you desaturate by 10%, it is **40.0837, 42.3391, 42.9110**.

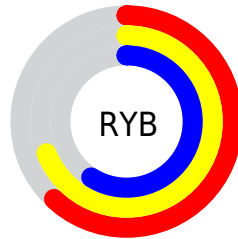
Distribution



Red (69%)

Green (67%)

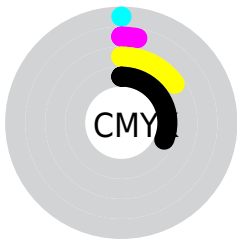
Blue (59%)



Red (62%)

Yellow (69%)

Blue (59%)

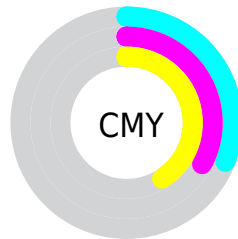


Cyan (0%)

Magenta (3%)

Yellow (15%)

Black (31%)



Cyan (31%)

Magenta (33%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7842, 40.1816, 34.6185 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 37.7842, 40.1816, 34.6185 by changing the saturation by 10% instead.

■ 37.7842, 40.1816,
34.6185

■ 37.7842, 40.1816,
34.6185

327.9902,
346.8884, 337.7341

■ 25.9917, 27.6802,
23.0880

■ 71.0833, 75.4400,
68.0392

■ 16.9501, 18.0847,
14.4526

■ 93.3206, 98.9657,
90.7664

■ 10.2940, 11.0108,
8.2938

119.7702,
126.9350, 118.0630

■ 5.6581, 6.0741,
4.1930

150.7974,
159.7322, 150.3473

■ 2.6770, 2.8902,
1.7318

186.7677,
197.7417, 188.0381

■ 0.9853, 1.0747,
0.3824

228.0464,

■ 0.0000, 0.0000,

241.3480, 231.5538

0.0000

274.9988,
290.9354, 281.3130

■ 37.7842, 40.1816,
34.6185

■ 37.7842, 40.1816,
34.6185

■ 35.7233, 38.1598,
27.4568

■ 40.0837, 42.3391,
42.9110

■ 33.8881, 36.2643,
21.3733

■ 42.6275, 44.6309,
52.3784

■ 32.2692, 34.4921,
16.3154

■ 45.4254, 47.0625,
63.0657

■ 30.8554, 32.8386,
12.2246

■ 48.4855, 49.6377,
75.0148

■ 29.6343, 31.2984,
9.0369

■ 51.8156, 52.3596,
88.2654

■ 28.5921, 29.8656,
6.6803

■ 55.3260, 55.1930,
102.3451

■ 27.7127, 28.5335,
5.0718

■ 56.2439, 57.0288,
102.6510

■ 26.9768, 27.2939,
4.1106

■ 57.1867, 58.9144,
102.9653

■ 26.6262, 26.6734,
3.7451

■ 58.1546, 60.8501,
103.2879

Harmonies

Analogous

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



39.5742, 40.1816, 35.2511



37.7842, 40.1816, 34.6185



36.1545, 40.1816, 36.2742

Triad

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



37.7842, 40.1816, 34.6185



35.4828, 40.1816, 49.9643



41.4647, 40.1816, 47.7820

Complementary

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



37.7842, 40.1816, 34.6185



32.3024, 33.3947, 45.8178

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.



40.3034, 40.1816, 52.1903



37.7842, 40.1816, 34.6185



36.8412, 40.1816, 53.5178

Square

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



37.7842, 40.1816, 34.6185



34.8531, 40.1816, 44.9318



38.6015, 40.1816, 54.3629



41.7364, 40.1816, 42.5910

Rectangle

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



37.7842, 40.1816, 34.6185



35.3658, 40.1816, 38.5358



38.6015, 40.1816, 54.3629



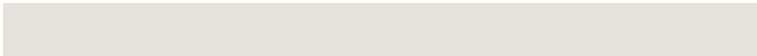
41.1637, 40.1816, 49.4165

Sweetspot

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



37.7853, 40.1834, 34.6194



73.0075, 77.0726, 78.9611



34.8176, 33.4458, 36.1032



15.7513, 16.6380, 16.8528



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.



37.7853, 40.1834, 34.6194



67.1567, 71.5519, 57.9558



37.4071, 41.6953, 34.9311



9.0276, 9.5677, 9.0235



19.5820, 19.6625, 2.7632



0.6568, 0.7001, 0.1005

Inverse Universe

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



32.3024, 33.3947, 45.8178



55.1280, 56.6593, 82.5261



32.6349, 32.1092, 45.5521



8.1957, 8.5377, 10.7223



6.3592, 3.5187, 30.4810



0.2447, 0.2000, 0.9739

Previews

White Background



This preview shows how the XYZ color 37.7842, 40.1816, 34.6185 looks on a white background.

Color Contrast Check

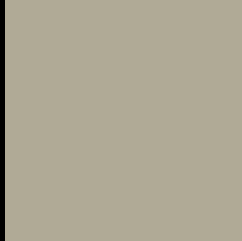
Large Text (above 18pt) WCAG AA × Fail

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 37.7842, 40.1816, 34.6185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

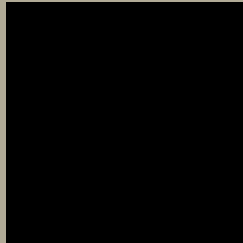
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7842, 40.1816, 34.6185

Background



This preview shows how black text looks on a background with the XYZ color 37.7842, 40.1816, 34.6185.



This preview shows how white text looks on a background with the XYZ color 37.7842, 40.1816,

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

37.7842, 40.1816, 34.6185

Protanopia

38.0531, 40.0429, 34.5776

Deuteranopia

40.8537, 40.1227, 34.8694



Tritanopia

40.5953, 40.2304, 48.2735

Trichromacy



Original Color

37.7842, 40.1816, 34.6185

Protanomaly

37.8244, 39.9251, 34.5669

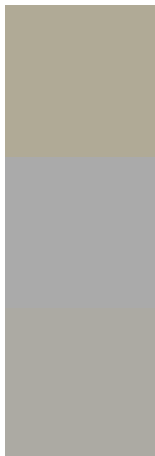
Deuteranomaly

39.7156, 40.0716, 34.9195

Tritanomaly

39.4770, 40.0483, 42.6952

Monochromacy



Original Color

37.7842, 40.1816, 34.6185

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.9988, 40.1645, 40.4001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7842, 40.1816, 34.6185 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(176, 170, 150)` looks like.

```
.text, #text, p{  
    color:rgb(176, 170, 150)  
}
```

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(176, 170, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 170, 150) }
```

Border

The CSS property to change the border of an element to XYZ 37.7842, 40.1816, 34.6185 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(176, 170, 150) }
```


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

```
.border{ border-color:rgb(176, 170, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 170, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 170, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 170, 150);  
box-shadow:4px 4px 4px 4px rgb(176, 170,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7842, 40.1816, 34.6185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 170, 150) }
```

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

```
.background{ background-color: rgb(176,  
170, 150) }
```

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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