Converting Colors

XYZ(37.8800, 39.7537, 36.6149)

Have a look what the booklet for XYZ(37.8800, 39.7537, 36.6149) contains.

Color

XYZ(37.8235, 39.6019, 36.6608)

Conversions

Format	Color
Hex	B0A89B
RGB	176, 168, 155
RGB Percent	69%, 66%, 61%
CMY	0.3098, 0.3412, 0.3922
CMYK	0.00, 0.05, 0.12, 0.31
HSL	37°, 12%, 65%
HSV	37°, 12%, 69%
XYZ	37.8235, 39.6019, 36.6608
YIQ	168.9100, 8.9410, -2.3470

Conversions Part 1

Conversions

Conversions Part 2

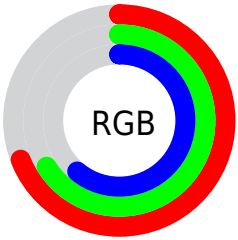
Format	Color
RYB	168, 176, 155
Decimal	11577499
CIELab	69.19, 0.59, 7.73
CIELCh	69, 7.756, 85.605
Yxy	39.6019, 0.3315, 0.3471
Android (android.graphics.Color)	4289767579 (0xFFB0A89B)
YUV	168.9100, -6.8576, 6.2179
Hunter-Lab	62.9300, -2.8419, 9.5108

Details

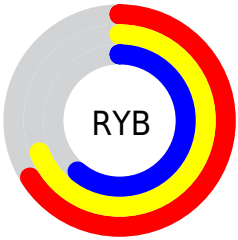
The XYZ color 37.8235, 39.6019, 36.6608 is a light color, and the websafe version is hex 999999. A complement of this color would be 34.4512, 36.2969, 46.2649, and the grayscale version is 37.6982, 39.6614, 43.1913.

A 20% lighter version of the original color is 71.1750, 74.5346, 70.9569, and 16.9125, 17.7012, 15.6220 is the 20% darker color. If you saturate the color by 10%, you get 35.2466, 36.6434, 29.0333, and if you desaturate by 10%, it is 40.6818, 42.7776, 45.4460.

Distribution

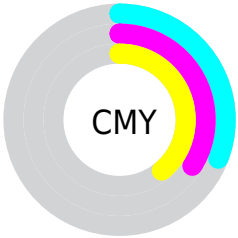


- Red (69%)
- Green (66%)
- Blue (61%)



- Red (66%)
- Yellow (69%)
- Blue (61%)

- Cyan (0%)
- Magenta (5%)
- Yellow (12%)
- Black (31%)



- Cyan (31%)
- Magenta (34%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8235, 39.6019, 36.6608 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 37.8235, 39.6019, 36.6608 by changing the saturation by 10% instead.

37.8235, 39.6019, 36.6608

37.8235, 39.6019, 36.6608

328.1562, 344.4428, 346.9640

26.0223, 27.2283, 24.6512

71.1432, 74.5569, 71.2313

16.9731, 17.7447, 15.6008

93.3924, 97.9071, 94.6293

10.3105, 10.7669, 9.0908

119.8550, 125.6850, 122.6605

5.6692, 5.9103, 4.7028

150.8963, 158.2749, 155.7435

2.6837, 2.7906, 2.0183

186.8817, 196.0612, 194.2968

0.9888, 1.0234, 0.5665

228.1766,

0.0000, 0.0000,

239.4284, 238.7390

0.0000

275.1463, 288.7608, 289.4885

37.8235, 39.6019, 36.6608

37.8235, 39.6019, 36.6608

35.2466, 36.6434, 29.0333

40.6818, 42.7776, 45.4460

32.9377, 33.8913, 22.5118

43.8280, 46.1707, 55.4326

30.8869, 31.3415, 17.0443

47.2722, 49.7880, 66.6651

29.0824, 28.9875, 12.5738

51.0231, 53.6344, 79.1850

27.5114, 26.8227, 9.0376

55.0892, 57.7147, 93.0319

26.1597, 24.8396, 6.3661

25.0111, 23.0302, 4.4794

24.0465, 21.3850, 3.2830

23.3713, 20.1635, 2.6601

58.5632, 61.6673, 103.4241

60.2342, 65.0093, 103.9811

61.9751, 68.4910, 104.5614

63.7867, 72.1142, 105.1653

Harmonies

Analogous

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

39.0040, 39.6019, 37.7248

37.8235, 39.6019, 36.6608

36.6189, 39.6019, 37.2480

Triad

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

37.8235, 39.6019, 36.6608

35.5301, 39.6019, 46.1399

39.6432, 39.6019, 47.0950

Complementary

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

37.8235, 39.6019, 36.6608

34.4512, 36.2969, 46.2649

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.

38.6807, 39.6019, 49.5783

37.8235, 39.6019, 36.6608

36.3090, 39.6019, 49.0059

Square

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

37.8235, 39.6019, 36.6608

35.3119, 39.6019, 42.5984

37.4579, 39.6019, 50.2960

40.0692, 39.6019, 43.6453

Rectangle

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

37.8235, 39.6019, 36.6608

35.9616, 39.6019, 38.5149

37.4579, 39.6019, 50.2960

39.3707, 39.6019, 48.0777

Sweetspot

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

37.8246, 39.6036, 36.6616

72.6311, 76.3197, 78.8357

36.2417, 35.3195, 39.5815

15.6551, 16.4458, 16.8208

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.

37.8246, 39.6036, 36.6616

67.4747, 70.5511, 63.1073

38.7976, 42.3647, 37.1433

8.9198, 9.3521, 8.9875

17.2056, 14.9098, 1.9710

0.5955, 0.5775, 0.0801

Inverse Universe

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

34.4512, 36.2969, 46.2649

60.2849, 63.5037, 83.5754

33.5510, 33.7913, 45.8287

8.2984, 8.7429, 10.7565

7.2760, 5.3524, 30.7866

0.2863, 0.2832, 0.9878

Previews

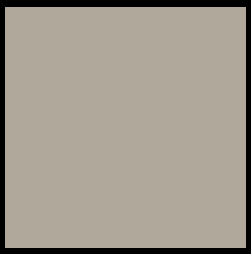
White Background

This preview shows how the XYZ color 37.8235, 39.6019, 36.6608 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



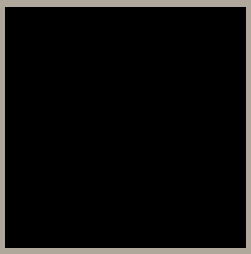
This preview shows how the XYZ color 37.8235, 39.6019, 36.6608 looks on a black background.

Color Contrast Check

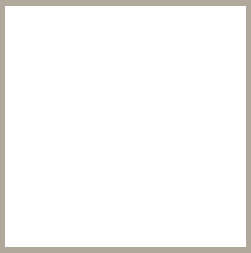
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 37.8235, 39.6019, 36.6608 Background



This preview shows how black text looks on a background with the XYZ color 37.8235, 39.6019, 36.6608.



This preview shows how white text looks on a background with the XYZ color 37.8235, 39.6019,

36.6608.

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

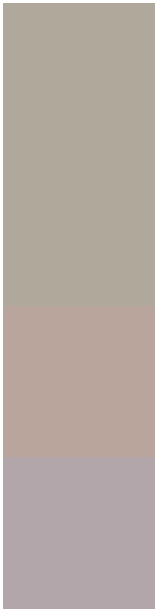
Original Color
37.8235, 39.6019, 36.6608

Protanopia
37.5982, 39.4858, 36.6502

Deuteranopia
40.3331, 39.5418, 36.9590

Tritanopia
40.0814, 39.7083, 47.6714

Trichromacy



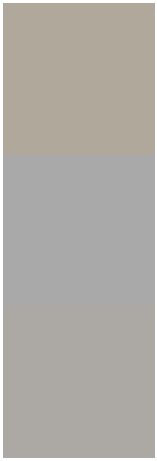
Original Color
37.8235, 39.6019, 36.6608

Protanomaly
37.5982, 39.4858, 36.6502

Deuteranomaly
39.4635, 39.6249, 37.0209

Tritanomaly
39.2520, 39.6397, 43.6126

Monochromacy



Original Color
37.8235, 39.6019, 36.6608

Achromatopsia
37.7116, 39.6755, 43.2066

Achromatomaly
37.9021, 39.8269, 40.8117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8235, 39.6019, 36.6608 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, 168, 155) looks like.

```
.text, #text, p{
    color:rgb(176, 168, 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(176, 168, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 168, 155) }
```

Border

The CSS property to change the border of an element to XYZ 37.8235, 39.6019, 36.6608 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, 168, 155) }
```

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

```
.border{ border-color:rgb(176, 168, 155) }
```

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

Here you see how a box with a 4 pixel rgb(176, 168, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 168, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 168, 155); box-shadow:4px 4px 4px 4px rgb(176, 168, 155) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8235, 39.6019, 36.6608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(176, 168, 155) }
```

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

```
.background{ background-color:rgb(176,
168, 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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