

Converting Colors

XYZ(38.1668, 39.9618, 37.7814)

Have a look what the booklet for
XYZ(38.1668, 39.9618, 37.7814)
contains.

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Color

**XYZ(38.1783, 40.0404,
37.6146)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A99D
RGB	176, 169, 157
RGB Percent	69%, 66%, 62%
CMY	0.3098, 0.3372, 0.3843
CMYK	0.00, 0.04, 0.11, 0.31
HSL	38°, 11%, 65%
HSV	38°, 11%, 69%
XYZ	38.1783, 40.0404, 37.6146
YIQ	169.7250, 8.0240, -2.2480

Conversions

Conversions Part 2

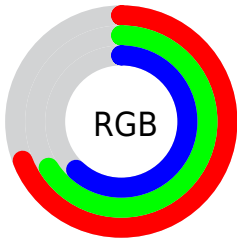
Format	Color
RYB	168, 176, 157
Decimal	11577757
CIELab	69.50, 0.39, 7.08
CIELCh	69, 7.088, 86.842
Yxy	40.0404, 0.3296, 0.3457
Android (android.graphics.Color)	4289767837 (0xFFB0A99D)
YUV	169.7250, -6.2734, 5.5032
Hunter-Lab	63.2775, -3.0381, 9.0500

Details

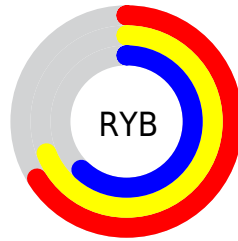
The XYZ color **38.1783, 40.0404, 37.6146** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.0165, 36.8529, 46.3425**, and the grayscale version is **38.1000, 40.0841, 43.6516**.

A 20% lighter version of the original color is **71.8180, 75.2206, 73.0212**, and **17.1312, 17.9741, 16.2021** is the 20% darker color. If you saturate the color by 10%, you get **35.6070, 37.1315, 29.8704**, and if you desaturate by 10%, it is **41.0281, 43.1590, 46.5205**.

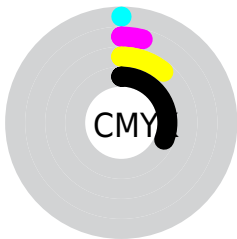
Distribution



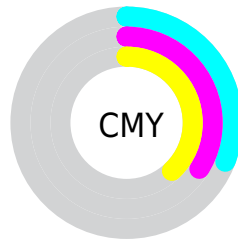
- Red (69%)
- Green (66%)
- Blue (62%)



- Red (66%)
- Yellow (69%)
- Blue (62%)



- Cyan (0%)
- Magenta (4%)
- Yellow (11%)
- Black (31%)




- Cyan (31%)
- Magenta (34%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1783, 40.0404, 37.6146 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 38.1783, 40.0404, 37.6146 by changing the saturation by 10% instead.


 38.1783, 40.0404,
37.6146


 38.1783, 40.0404,
37.6146


329.6519,
346.2938, 351.2123

 26.2989, 27.5700,
25.3842


 71.6835, 75.2250,
72.7139

 17.1813, 18.0018,
16.1419


 94.0400, 98.7081,
96.4199

 10.4599, 10.9513,
9.4692


120.6197,
126.6308, 124.7881

 5.7695, 6.0341,
4.9475

151.7878,
159.3777, 158.2372

 2.7448, 2.8658,
2.1583

187.9097,
197.3330, 197.1856

 1.0203, 1.0621,
0.6501

229.3508,

 0.0000, 0.0000,

240.8812, 242.0519

0.0000

276.4764,
290.4067, 293.2546

■ 38.1783, 40.0404,
37.6146

■ 38.1783, 40.0404,
37.6146

■ 35.6070, 37.1315,
29.8704

■ 41.0281, 43.1590,
46.5205

■ 33.3008, 34.4216,
23.2367

■ 44.1626, 46.4871,
56.6315

■ 31.2501, 31.9067,
17.6618

■ 47.5918, 50.0315,
67.9918

■ 29.4432, 29.5808,
13.0894

■ 51.3245, 53.7967,
80.6427

■ 27.8677, 27.4375,
9.4575

■ 55.3687, 57.7875,
94.6234

■ 26.5095, 25.4695,
6.6974

■ 58.4840, 61.5087,
103.3977

■ 25.3528, 23.6690,
4.7307

■ 60.0955, 64.7318,
103.9349

■ 24.3792, 22.0272,
3.4649

■ 61.7723, 68.0855,
104.4938

■ 23.6099, 20.6407,
2.7397

■ 63.5152, 71.5713,
105.0748

Harmonies

Analogous

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



39.2709, 40.0404, 38.5415



38.1783, 40.0404, 37.6146



37.0743, 40.0404, 38.2233

Triad

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



38.1783, 40.0404, 37.6146



36.1314, 40.0404, 46.4989



39.9253, 40.0404, 47.1281

Complementary

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



38.1783, 40.0404, 37.6146



35.0165, 36.8529, 46.3425

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.



39.0573, 40.0404, 49.4526



38.1783, 40.0404, 37.6146



36.8688, 40.0404, 49.0767

Square

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



38.1783, 40.0404, 37.6146



35.9065, 40.0404, 43.2516



37.9364, 40.0404, 50.1827



40.2921, 40.0404, 43.9446

Rectangle

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



38.1783, 40.0404, 37.6146



36.4778, 40.0404, 39.4355



37.9364, 40.0404, 50.1827



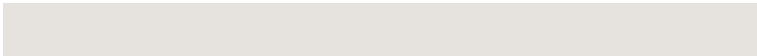
39.6816, 40.0404, 48.0418

Sweetspot

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



38.1794, 40.0422, 37.6155



73.1997, 76.9662, 80.5381



36.6884, 36.0352, 40.2786



15.7724, 16.5808, 17.1667



84.5950, 89.0005, 96.9216



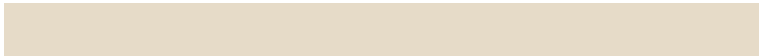
16.2198, 17.0645, 18.5832

Same Dimension

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



38.1794, 40.0422, 37.6155



68.0639, 71.3044, 64.6143



39.0189, 42.4593, 38.0378



8.9287, 9.3700, 8.9905



17.3801, 15.2589, 2.0292



0.6003, 0.5869, 0.0817

Inverse Universe

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



35.0165, 36.8529, 46.3425



61.1506, 64.3339, 83.6900



34.2350, 34.6422, 45.9570



8.2897, 8.7256, 10.7536



7.1805, 5.1614, 30.7548



0.2828, 0.2762, 0.9866

Previews

White Background



This preview shows how the XYZ color 38.1783, 40.0404, 37.6146 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 38.1783, 40.0404, 37.6146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

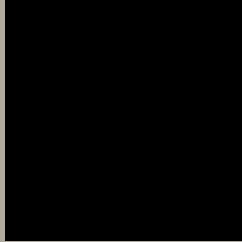
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1783, 40.0404, 37.6146

Background



This preview shows how black text looks on a background with the XYZ color 38.1783, 40.0404, 37.6146.



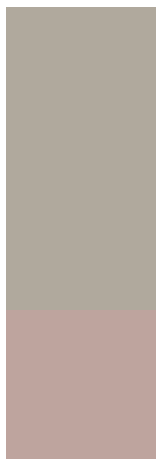
This preview shows how white text looks on a background with the XYZ color 38.1783, 40.0404,

37.6146.

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

38.1783, 40.0404, 37.6146

Protanopia

38.1783, 40.0404, 37.6146

Deuteranopia

40.6822, 39.9667, 37.9179



Tritanopia

40.3633, 40.1108, 48.2626

Trichromacy



Original Color

38.1783, 40.0404, 37.6146

Protanomaly

38.1783, 40.0404, 37.6146

Deuteranomaly

39.8154, 40.0553, 37.9807

Tritanomaly

39.5295, 40.0427, 44.1737

Monochromacy



Original Color

38.1783, 40.0404, 37.6146

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.1795, 40.2367, 41.3515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1783, 40.0404, 37.6146 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, 169, 157)` looks like.

```
.text, #text, p{  
    color:rgb(176, 169, 157)  
}
```

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, 169, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 169, 157) }
```

Border

The CSS property to change the border of an element to XYZ 38.1783, 40.0404, 37.6146 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, 169, 157) }
```


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

```
.border{ border-color:rgb(176, 169, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 169, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 169, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 169, 157);  
box-shadow:4px 4px 4px 4px rgb(176, 169,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1783, 40.0404, 37.6146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 169, 157) }
```

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

```
.background{ background-color: rgb(176,  
169, 157) }
```

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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