

Converting Colors

XYZ(38.2752, 40.4058, 37.5813)

Have a look what the booklet for
XYZ(38.2752, 40.4058, 37.5813)
contains.

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Color

**XYZ(38.3650, 40.4139,
37.6769)**

Conversions

Conversions Part 1

Format	Color
Hex	B0AA9D
RGB	176, 170, 157
RGB Percent	69%, 67%, 62%
CMY	0.3098, 0.3333, 0.3843
CMYK	0.00, 0.03, 0.11, 0.31
HSL	41°, 11%, 65%
HSV	41°, 11%, 69%
XYZ	38.3650, 40.4139, 37.6769
YIQ	170.3120, 7.7490, -2.7710

Conversions

Conversions Part 2

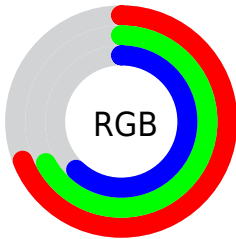
Format	Color
RYB	166, 176, 157
Decimal	11578013
CIELab	69.76, -0.15, 7.46
CIELCh	70, 7.458, 91.164
Yxy	40.4139, 0.3294, 0.3470
Android (android.graphics.Color)	4289768093 (0xFFB0AA9D)
YUV	170.3120, -6.5628, 4.9884
Hunter-Lab	63.5719, -3.5280, 9.3612

Details

The XYZ color **38.3650, 40.4139, 37.6769** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.8381, 36.4963, 46.2829**, and the grayscale version is **38.3941, 40.3936, 43.9886**.

A 20% lighter version of the original color is **72.0876, 75.7597, 73.1110**, and **17.2483, 18.2084, 16.2412** is the 20% darker color. If you saturate the color by 10%, you get **35.9503, 37.8183, 29.9850**, and if you desaturate by 10%, it is **41.0424, 43.1877, 46.5254**.

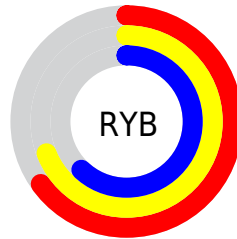
Distribution



Red (69%)

Green (67%)

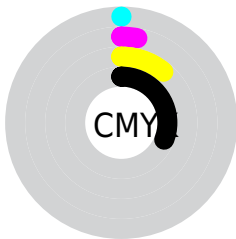
Blue (62%)



Red (65%)

Yellow (69%)

Blue (62%)

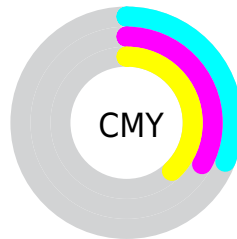


Cyan (0%)

Magenta (3%)

Yellow (11%)

Black (31%)



Cyan (31%)


Magenta (33%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3650, 40.4139, 37.6769 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 38.3650, 40.4139, 37.6769 by changing the saturation by 10% instead.


 38.3650, 40.4139,
37.6769


 38.3650, 40.4139,
37.6769


330.4370,
347.8650, 351.4885

 26.4446, 27.8614,
25.4321


 71.9675, 75.7934,
72.8106

 17.2910, 18.2212,
16.1774


 94.3804, 99.3891,
96.5365

 10.5387, 11.1089,
9.4940


121.0214,
127.4348, 124.9267

 5.8226, 6.1401,
4.9636

152.2560,
160.3147, 158.3995

 2.7771, 2.9305,
2.1676

188.4495,
198.4133, 197.3735

 1.0370, 1.0955,
0.6556

229.9673,

 0.0000, 0.0000,

242.1149, 242.2673

0.0000

277.1746,
291.8041, 293.4995

■ 38.3650, 40.4139,
37.6769

■ 38.3650, 40.4139,
37.6769

■ 35.9503, 37.8183,
29.9850

■ 41.0424, 43.1877,
46.5254

■ 33.7853, 35.3907,
23.3983

■ 43.9883, 46.1388,
56.5735

■ 31.8607, 33.1280,
17.8654

■ 47.2127, 49.2733,
67.8655

■ 30.1651, 31.0247,
13.3301

■ 50.7238, 52.5954,
80.4425

■ 28.6864, 29.0750,
9.7305

■ 54.5294, 56.1091,
94.3436

■ 27.4109, 27.2725,
6.9979

■ 57.3889, 59.3187,
103.0327

■ 26.3233, 25.6102,
5.0542

■ 58.7271, 61.9951,
103.4787

■ 25.4055, 24.0798,
3.8070

■ 60.1128, 64.7665,
103.9406

■ 24.6760, 22.7730,
3.0951

■ 61.5465, 67.6339,
104.4185

Harmonies

Analogous

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



39.5445, 40.4139, 38.4250



38.3650, 40.4139, 37.6769



37.2216, 40.4139, 38.5487

Triad

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



38.3650, 40.4139, 37.6769



36.4569, 40.4139, 47.5402



40.4850, 40.4139, 47.2940

Complementary

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



38.3650, 40.4139, 37.6769



34.8381, 36.4963, 46.2829

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.



39.6279, 40.4139, 49.9508



38.3650, 40.4139, 37.6769



37.3017, 40.4139, 50.0981

Square

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



38.3650, 40.4139, 37.6769



36.1343, 40.4139, 44.1392



38.4594, 40.4139, 51.0022



40.7838, 40.4139, 43.8688

Rectangle

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



38.3650, 40.4139, 37.6769



36.6295, 40.4139, 39.9591



38.4594, 40.4139, 51.0022



40.2518, 40.4139, 48.3128

Sweetspot

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



38.3661, 40.4157, 37.6778



73.2989, 77.1646, 80.5712



36.5743, 35.9895, 39.6777



15.7994, 16.6348, 17.1757



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.



38.3661, 40.4157, 37.6778



68.4744, 72.1255, 64.7512



38.7384, 42.3146, 38.0247



8.9664, 9.4452, 9.0031



18.1594, 16.8173, 2.2890



0.6209, 0.6282, 0.0885

Inverse Universe

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



34.8381, 36.4963, 46.2829



60.7631, 63.5590, 83.5608



34.4880, 34.7726, 45.9687



8.2536, 8.6533, 10.7416



6.8185, 4.4373, 30.6341



0.2683, 0.2471, 0.9818

Previews

White Background



This preview shows how the XYZ color 38.3650, 40.4139, 37.6769 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 38.3650, 40.4139, 37.6769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

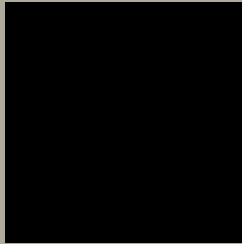
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.3650, 40.4139, 37.6769

Background



This preview shows how black text looks on a background with the XYZ color 38.3650, 40.4139, 37.6769.



This preview shows how white text looks on a background with the XYZ color 38.3650, 40.4139,

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

38.3650, 40.4139, 37.6769

Protanopia

38.5920, 40.5309, 37.6875

Deuteranopia

40.9329, 40.0959, 37.9296



Tritanopia

40.6473, 40.5164, 48.8581

Trichromacy



Original Color

38.3650, 40.4139, 37.6769

Protanomaly

38.5920, 40.5309, 37.6875

Deuteranomaly

40.0575, 40.1802, 37.9920

Tritanomaly

39.8091, 40.4488, 44.7390

Monochromacy



Original Color

38.3650, 40.4139, 37.6769

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 38.3650, 40.4139, 37.6769 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(176, 170, 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, 170, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 170, 157) }
```

Border

The CSS property to change the border of an element to XYZ 38.3650, 40.4139, 37.6769 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, 157) }
```


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

```
.border{ border-color:rgb(176, 170, 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, 170, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 170, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 170, 157);  
box-shadow:4px 4px 4px 4px rgb(176, 170,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3650, 40.4139, 37.6769 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, 157) }
```

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

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