

Converting Colors

XYZ(37.5087, 40.1737, 39.3105)

Have a look what the booklet for
XYZ(37.5087, 40.1737, 39.3105)
contains.

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Color

**XYZ(37.5735, 40.2451,
39.5060)**

Conversions

Conversions Part 1

Format	Color
Hex	AAABA1
RGB	170, 171, 161
RGB Percent	67%, 67%, 63%
CMY	0.3333, 0.3294, 0.3686
CMYK	0.01, 0.00, 0.06, 0.33
HSL	66°, 6%, 65%
HSV	66°, 6%, 67%
XYZ	37.5735, 40.2451, 39.5060
YIQ	169.5610, 2.6140, -3.3220

Conversions

Conversions Part 2

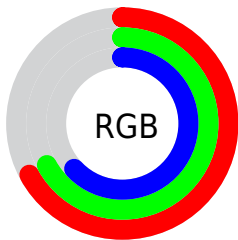
Format	Color
RYB	161, 171, 162
Decimal	11185057
CIELab	69.64, -2.19, 5.01
CIElCh	70, 5.473, 113.641
Yxy	40.2451, 0.3203, 0.3430
Android (android.graphics.Color)	4289375137 (0xFFAAABA1)
YUV	169.5610, -4.2206, 0.3850
Hunter-Lab	63.4390, -5.2968, 7.4851

Details

The XYZ color **37.5735, 40.2451, 39.5060** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.9975, 36.1125, 43.6561**, and the grayscale version is **38.0104, 39.9899, 43.5490**.

A 20% lighter version of the original color is **70.6424, 75.3581, 75.7881**, and **16.8825, 18.1710, 17.3694** is the 20% darker color. If you saturate the color by 10%, you get **35.7995, 39.4942, 32.0822**, and if you desaturate by 10%, it is **39.5609, 41.0845, 48.0181**.

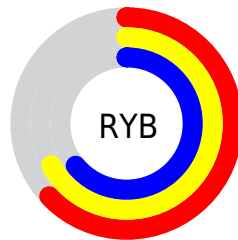
Distribution



Red (67%)

Green (67%)

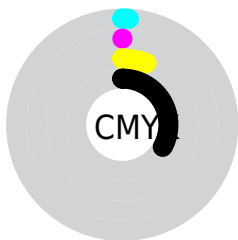
Blue (63%)



Red (63%)

Yellow (67%)

Blue (64%)

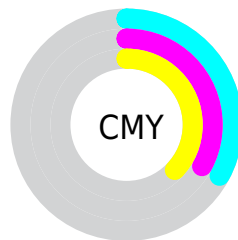


Cyan (1%)

Magenta (0%)

Yellow (6%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5735, 40.2451, 39.5060 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 37.5735, 40.2451, 39.5060 by changing the saturation by 10% instead.

■ 37.5735, 40.2451,
39.5060

■ 37.5735, 40.2451,
39.5060

327.0994,
347.1555, 359.5270

■ 25.8275, 27.7297,
26.8427

■ 70.7621, 75.5366,
75.6395

■ 16.8267, 18.1220,
17.2238

■ 92.9354, 99.0815,
99.9469

■ 10.2055, 11.0376,
10.2305

119.3152,
127.0717, 128.9726

■ 5.5988, 6.0921,
5.4445

150.2669,
159.8915, 163.1354

■ 2.6410, 2.9012,
2.4471

186.1558,
197.9254, 202.8537

■ 0.9669, 1.0804,
0.8119

227.3473,

■ 0.0000, 0.0000,

241.5578, 248.5460

0.0000

274.2067,
291.1730, 300.6309

■ 37.5735, 40.2451,
39.5060

■ 37.5735, 40.2451,
39.5060

■ 35.7995, 39.4942,
32.0822

■ 39.5609, 41.0845,
48.0181

■ 34.2271, 38.8233,
25.7003

■ 41.7661, 42.0103,
57.6572

■ 32.8487, 38.2305,
20.3143


■ 44.1979, 43.0272,
68.4633

■ 31.6546, 37.7119,
15.8739


■ 46.8631, 44.1381,
80.4737


■ 30.6344, 37.2635,
12.3245

■ 49.7687, 45.3457,
93.7240


 29.7766, 36.8806,
9.6057


 51.5045, 46.0860,
100.7886


 29.0683, 36.5580,
7.6496

 51.9072, 46.2936,
100.8075

 28.4947, 36.2898,
6.3778

 52.3149, 46.5038,
100.8266

 28.0362, 36.0683,
5.6880

 52.7276, 46.7165,
100.8459

Harmonies

Analogous

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



38.4405, 40.2451, 39.1534



37.5735, 40.2451, 39.5060



36.8978, 40.2451, 40.9942

Triad

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



37.5735, 40.2451, 39.5060



37.2519, 40.2451, 47.8626



39.9678, 40.2451, 44.3620

Complementary

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



37.5735, 40.2451, 39.5060



34.9975, 36.1125, 43.6561

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.



39.6384, 40.2451, 46.7729



37.5735, 40.2451, 39.5060



38.0636, 40.2451, 48.8436

Square

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



37.5735, 40.2451, 39.5060



36.7142, 40.2451, 45.8033



38.9381, 40.2451, 48.4373



39.8317, 40.2451, 41.8949

Rectangle

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



37.5735, 40.2451, 39.5060



36.6423, 40.2451, 42.4619



38.9381, 40.2451, 48.4373



39.9077, 40.2451, 45.2069

Sweetspot

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



37.5746, 40.2468, 39.5069



68.6019, 72.6300, 76.3309



36.1493, 37.0729, 38.9694



15.3072, 16.2005, 17.0595



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



37.5746, 40.2468, 39.5069



66.8647, 71.8960, 68.9500



36.5144, 39.7003, 39.4573



8.6614, 9.3222, 8.8866



21.0276, 27.1372, 4.1297



0.6073, 0.7664, 0.1159

Inverse Universe

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



34.9975, 36.1125, 43.6561



61.2915, 62.9552, 77.9231



36.0332, 36.6465, 43.7046



7.9067, 8.1116, 10.1017



5.7398, 2.3189, 29.1896



0.1830, 0.0765, 0.8131

Previews

White Background



This preview shows how the XYZ color 37.5735, 40.2451, 39.5060 looks on a white background.

Color Contrast Check

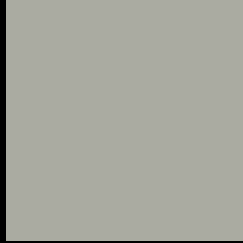
Large Text (above 18pt) WCAG AA × Fail

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 37.5735, 40.2451, 39.5060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

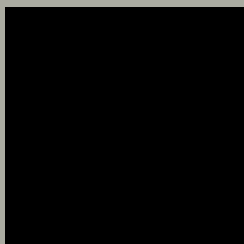
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

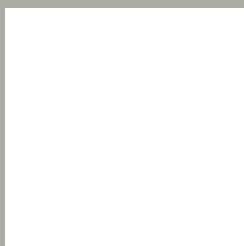
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5735, 40.2451, 39.5060

Background



This preview shows how black text looks on a background with the XYZ color 37.5735, 40.2451, 39.5060.



This preview shows how white text looks on a background with the XYZ color 37.5735, 40.2451,

39.5060.

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

37.5735, 40.2451, 39.5060

Protanopia

38.2123, 40.0280, 38.9699

Deuteranopia

40.7833, 39.9784, 39.7495



Tritanopia

39.5767, 40.2257, 49.3945

Trichromacy



Original Color

37.5735, 40.2451, 39.5060

Protanomaly

37.9535, 40.1718, 39.0113

Deuteranomaly

39.6317, 40.1912, 39.8513

Tritanomaly

38.8412, 40.2026, 45.7571

Monochromacy



Original Color

37.5735, 40.2451, 39.5060

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.9273, 40.0855, 42.2975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5735, 40.2451, 39.5060 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(170, 171, 161)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 161)  
}
```

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(170, 171, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 161) }
```

Border

The CSS property to change the border of an element to XYZ 37.5735, 40.2451, 39.5060 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(170, 171, 161) }
```


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

```
.border{ border-color:rgb(170, 171, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 171, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 161);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5735, 40.2451, 39.5060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 161) }
```

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

```
.background{ background-color: rgb(170,  
171, 161) }
```

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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