

Converting Colors

XYZ(37.2205, 39.7809, 40.6761)

Have a look what the booklet for
XYZ(37.2205, 39.7809, 40.6761)
contains.

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Color

**XYZ(37.2240, 39.7546,
40.8335)**

Conversions

Conversions Part 1

Format	Color
Hex	A8AAA4
RGB	168, 170, 164
RGB Percent	66%, 67%, 64%
CMY	0.3412, 0.3333, 0.3569
CMYK	0.01, 0.00, 0.04, 0.33
HSL	80°, 3%, 65%
HSV	80°, 4%, 67%
XYZ	37.2240, 39.7546, 40.8335
YIQ	168.7180, 0.7340, -2.2900

Conversions

Conversions Part 2

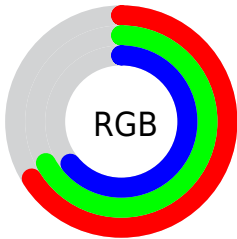
Format	Color
RYB	164, 170, 166
Decimal	11053732
CIELab	69.29, -1.83, 2.83
CIELCh	69, 3.372, 122.880
Yxy	39.7546, 0.3160, 0.3374
Android (android.graphics.Color)	4289243812 (0xFFA8AAA4)
YUV	168.7180, -2.3260, -0.6297
Hunter-Lab	63.0512, -4.9574, 5.7382

Details

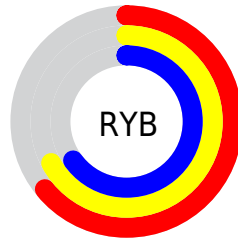
The XYZ color **37.2240, 39.7546, 40.8335** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.2586, 37.5613, 43.3713**, and the grayscale version is **37.5846, 39.5419, 43.0611**.

A 20% lighter version of the original color is **70.1428, 74.6529, 77.7304**, and **16.6055, 17.8397, 17.8974** is the 20% darker color. If you saturate the color by 10%, you get **34.6090, 38.5734, 33.2255**, and if you desaturate by 10%, it is **40.0992, 41.0485, 49.5267**.

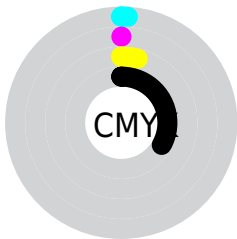
Distribution



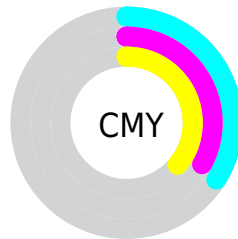
- Red (66%)
- Green (67%)
- Blue (64%)



- Red (64%)
- Yellow (67%)
- Blue (65%)



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (33%)



- Cyan (34%)
- Magenta (33%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2240, 39.7546, 40.8335 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 37.2240, 39.7546, 40.8335 by changing the saturation by 10% instead.

■ 37.2240, 39.7546,
40.8335

■ 37.2240, 39.7546,
40.8335

325.6180,
345.0882, 365.2803

■ 25.5554, 27.3473,
27.8703

■ 70.2288, 74.7897,
77.6820

■ 16.6223, 17.8342,
17.9897

■ 92.2957, 98.1862,
102.4044

■ 10.0592, 10.8310,
10.7732

118.5594,
126.0146, 131.8835

■ 5.5008, 5.9533,
5.8023

149.3853,
158.6592, 166.5380

■ 2.5817, 2.8167,
2.6584

185.1388,
196.5045, 206.7864

■ 0.9367, 1.0368,
0.9224

226.1852,

■ 0.0000, 0.0000,

239.9348, 253.0472

0.0000

272.8898,
289.3346, 305.7390

■ 37.2240, 39.7546,
40.8335

■ 37.2240, 39.7546,
40.8335

■ 34.6090, 38.5734,
33.2255

■ 40.0992, 41.0485,
49.5267

■ 32.2421, 37.4961,
26.6574

■ 43.2396, 42.4534,
59.3428

■ 30.1152, 36.5208,
21.0848

■ 46.6541, 43.9743,
70.3207

■ 28.2183, 35.6433,
16.4588

■ 50.3503, 45.6140,
82.4968

■ 26.5406, 34.8593,
12.7267

■ 54.3354, 47.3758,
95.9060

■ 25.0704, 34.1640,
9.8302

■ 56.7934, 48.5331,
100.9822

■ 23.7947, 33.5521,
7.7046

■ 58.3573, 49.3393,
101.0554

■ 22.6986, 33.0175,
6.2752

■ 59.9782, 50.1749,
101.1313

■ 21.7643, 32.5531,
5.4528

■ 61.6568, 51.0403,
101.2098

Harmonies

Analogous

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



37.7334, 39.7546, 40.3801



37.2240, 39.7546, 40.8335



36.8678, 39.7546, 41.9429

Triad

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



37.2240, 39.7546, 40.8335



37.3136, 39.7546, 45.9904



38.8334, 39.7546, 43.1366

Complementary

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



37.2240, 39.7546, 40.8335



36.2586, 37.5613, 43.3713

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.



38.7184, 39.7546, 44.6574



37.2240, 39.7546, 40.8335



37.8378, 39.7546, 46.3281

Square

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



37.2240, 39.7546, 40.8335



36.9192, 39.7546, 44.9225



38.3527, 39.7546, 45.8348



38.6653, 39.7546, 41.6898

Rectangle

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



37.2240, 39.7546, 40.8335



36.7634, 39.7546, 42.9180



38.3527, 39.7546, 45.8348



38.8265, 39.7546, 43.6561

Sweetspot

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



37.2251, 39.7563, 40.8344



68.8032, 72.7001, 77.8607



36.9160, 38.5002, 40.6082



15.3497, 16.2153, 17.3823



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.



37.2251, 39.7563, 40.8344



67.2686, 72.0086, 73.2884



36.5939, 39.4309, 40.8048



8.1727, 8.7698, 8.8403



15.6702, 23.7755, 3.7632



0.4321, 0.6047, 0.0939

Inverse Universe

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



36.2586, 37.5613, 43.3713



65.2533, 67.4317, 78.5783



36.8948, 37.8893, 43.4010



7.8937, 8.1360, 9.5727



6.6212, 2.7968, 28.1663



0.2151, 0.0959, 0.6878

Previews

White Background



This preview shows how the XYZ color 37.2240, 39.7546, 40.8335 looks on a white background.

Color Contrast Check

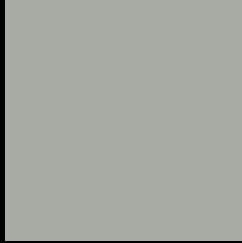
Large Text (above 18pt) WCAG AA × Fail

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 37.2240, 39.7546, 40.8335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

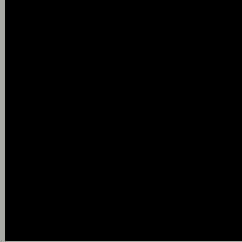
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2240, 39.7546, 40.8335

Background



This preview shows how black text looks on a background with the XYZ color 37.2240, 39.7546, 40.8335.



This preview shows how white text looks on a background with the XYZ color 37.2240, 39.7546,

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

37.2240, 39.7546, 40.8335

Protanopia

37.8471, 39.5338, 40.2864

Deuteranopia

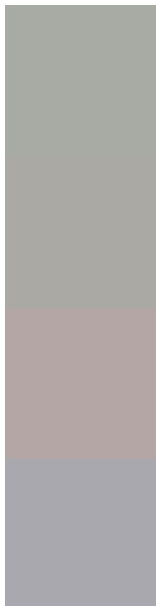
40.5605, 39.8323, 41.1479



Tritanopia

38.9538, 39.6316, 49.3126

Trichromacy



Original Color

37.2240, 39.7546, 40.8335

Protanomaly

37.5934, 39.6782, 40.3276

Deuteranomaly

39.2501, 39.6923, 41.1900

Tritanomaly

38.3181, 39.6465, 46.1904

Monochromacy



Original Color

37.2240, 39.7546, 40.8335

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.5252, 39.6010, 42.2252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2240, 39.7546, 40.8335 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(168, 170, 164)` looks like.

```
.text, #text, p{  
    color:rgb(168, 170, 164)  
}
```

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(168, 170, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 170, 164) }
```

Border

The CSS property to change the border of an element to XYZ 37.2240, 39.7546, 40.8335 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(168, 170, 164) }
```


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

```
.border{ border-color:rgb(168, 170, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 170, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 170, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 170, 164);  
box-shadow:4px 4px 4px 4px rgb(168, 170,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2240, 39.7546, 40.8335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 170, 164) }
```

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

```
.background{ background-color: rgb(168,  
170, 164) }
```

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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