

Converting Colors

XYZ(37.3963, 38.9983, 42.4628)

Have a look what the booklet for
XYZ(37.3963, 38.9983, 42.4628)
contains.

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Color

**XYZ(37.4642, 39.0106,
42.6010)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA7A8
RGB	170, 167, 168
RGB Percent	67%, 65%, 66%
CMY	0.3333, 0.3451, 0.3412
CMYK	0.00, 0.02, 0.01, 0.33
HSL	340°, 2%, 66%
HSV	340°, 2%, 67%
XYZ	37.4642, 39.0106, 42.6010
YIQ	168.0110, 1.4670, 0.9470

Conversions

Conversions Part 2

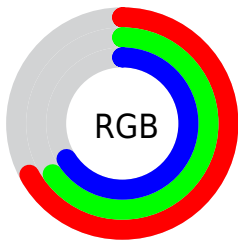
Format	Color
RYB	170, 167, 168
Decimal	11184040
CIELab	68.76, 1.26, -0.14
CIELCh	69, 1.271, 353.525
Yxy	39.0106, 0.3146, 0.3276
Android (android.graphics.Color)	4289374120 (0xFFAAA7A8)
YUV	168.0110, -0.0054, 1.7444
Hunter-Lab	62.4585, -2.2334, 3.2810

Details

The XYZ color **37.4642, 39.0106, 42.6010** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.4740, 39.8306, 43.2512**, and the grayscale version is **37.2253, 39.1639, 42.6495**.

A 20% lighter version of the original color is **70.4919, 73.5778, 80.2987**, and **16.7543, 17.3740, 18.9935** is the 20% darker color. If you saturate the color by 10%, you get **33.5414, 32.7827, 36.3047**, and if you desaturate by 10%, it is **41.8909, 46.0976, 49.5211**.

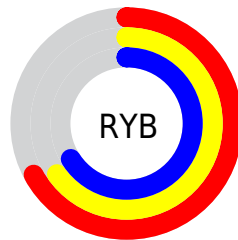
Distribution



Red (67%)

Green (65%)

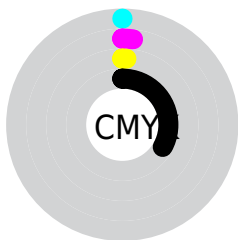
Blue (66%)



Red (67%)

Yellow (65%)

Blue (66%)

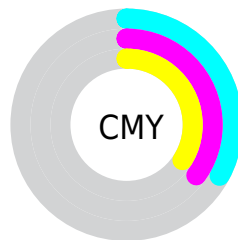


Cyan (0%)

Magenta (2%)

Yellow (1%)

Black (33%)



Cyan (33%)

Magenta (35%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4642, 39.0106, 42.6010 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 37.4642, 39.0106, 42.6010 by changing the saturation by 10% instead.

■ 37.4642, 39.0106,
42.6010

■ 37.4642, 39.0106,
42.6010

326.6366,
341.9356, 372.8412

■ 25.7424, 26.7680,
29.2431

■ 70.5954, 73.6545,
80.3883

■ 16.7627, 17.3990,
19.0176

■ 92.7355, 96.8246,
105.6548

■ 10.1597, 10.5194,
11.5061

119.0790,
124.4059, 135.7278

■ 5.5681, 5.7447,
6.2899

149.9915,
156.7829, 171.0261

■ 2.6224, 2.6905,
2.9505

185.8381,
194.3400, 211.9680

■ 0.9574, 0.9723,
1.0694

226.9842,

■ 0.0000, 0.0000,

237.4615, 258.9721

0.0000

273.7953,
286.5319, 312.4570

■ 37.4642, 39.0106,
42.6010

■ 37.4642, 39.0106,
42.6010

■ 33.5414, 32.7827,
36.3047

■ 41.8909, 46.0976,
49.5211

■ 30.1009, 27.3762,
30.6122

■ 46.8354, 54.0694,
57.0795

■ 27.1245, 22.7581,
25.5057

■ 52.3152, 62.9572,
65.2932

■ 24.5917, 18.8912,
20.9658

■ 58.3459, 72.7888,
74.1777

■ 22.4800, 15.7351,
16.9720

■ 64.9426, 83.5911,
83.7483

■ 20.7654, 13.2460,
13.5023

■ 67.4880, 86.1263,
92.4755

■ 19.4210, 11.3748,
10.5332

■ 69.1901, 86.8071,
101.4383

■ 18.4162, 10.0656,
8.0390

■ 70.3879, 87.2862,
107.7458

■ 17.7154, 9.2525,
5.9912

Harmonies

Analogous

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



37.3904, 39.0106, 43.1381



37.4642, 39.0106, 42.6010



37.4343, 39.0106, 42.0351

Triad

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



37.4642, 39.0106, 42.6010



36.9242, 39.0106, 41.4679



36.8489, 39.0106, 43.3732

Complementary

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



37.4642, 39.0106, 42.6010



37.4740, 39.8306, 43.2512

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.



36.7248, 39.0106, 42.9198



37.4642, 39.0106, 42.6010



36.7681, 39.0106, 41.8205

Square

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



37.4642, 39.0106, 42.6010



37.1221, 39.0106, 41.3843



36.6953, 39.0106, 42.3511



37.0348, 39.0106, 43.5865

Rectangle

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



37.4642, 39.0106, 42.6010



37.3597, 39.0106, 41.7173



36.6953, 39.0106, 42.3511



36.7986, 39.0106, 43.2436

Sweetspot

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



37.4653, 39.0123, 42.6018



68.5421, 71.6860, 78.1913



37.4379, 38.9765, 43.5809



15.2947, 16.0015, 17.4520



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.



37.4653, 39.0123, 42.6018



67.7693, 70.4534, 76.9684



37.4644, 39.1587, 42.1449



8.2846, 8.6220, 9.4166



12.7534, 6.5101, 3.5128



0.3339, 0.1678, 0.2097

Inverse Universe

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



37.4653, 39.0123, 42.6018



67.7693, 70.4534, 76.9684



37.4745, 39.6813, 43.7151



8.2846, 8.6220, 9.4166



12.7534, 6.5101, 3.5128



0.3339, 0.1678, 0.2097

Previews

White Background



This preview shows how the XYZ color 37.4642, 39.0106, 42.6010 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 37.4642, 39.0106, 42.6010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

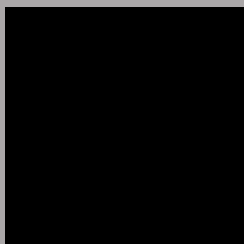
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

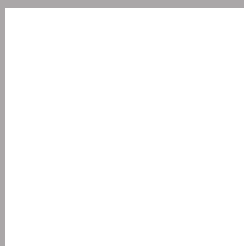
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4642, 39.0106, 42.6010

Background



This preview shows how black text looks on a background with the XYZ color 37.4642, 39.0106, 42.6010.

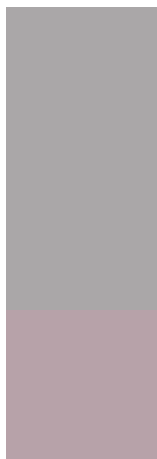


This preview shows how white text looks on a background with the XYZ color 37.4642, 39.0106,

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

37.4642, 39.0106, 42.6010

Protanopia

37.4642, 39.0106, 42.6010

Deuteranopia

39.6102, 38.7725, 42.9323



Tritanopia

38.5043, 38.8953, 47.5976

Trichromacy



Original Color

37.4642, 39.0106, 42.6010

Protanomaly

37.4642, 39.0106, 42.6010

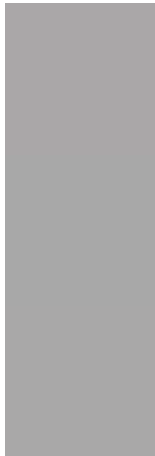
Deuteranomaly

38.7970, 38.8805, 42.9960

Tritanomaly

38.0708, 38.9864, 45.5630

Monochromacy



Original Color

37.4642, 39.0106, 42.6010

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.4327, 39.2674, 42.6522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4642, 39.0106, 42.6010 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, 167, 168)` looks like.

```
.text, #text, p{  
    color:rgb(170, 167, 168)  
}
```

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, 167, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 167, 168) }
```

Border

The CSS property to change the border of an element to XYZ 37.4642, 39.0106, 42.6010 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, 167, 168) }
```


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

```
.border{ border-color:rgb(170, 167, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 167, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 167, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 167, 168);  
box-shadow:4px 4px 4px 4px rgb(170, 167,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4642, 39.0106, 42.6010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 167, 168) }
```

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

```
.background{ background-color: rgb(170,  
167, 168) }
```

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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