

Converting Colors

XYZ(36.7355, 37.8907, 38.9080)

Have a look what the booklet for
XYZ(36.7355, 37.8907, 38.9080)
contains.

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Color

**XYZ(36.7217, 37.8948,
39.0972)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA4A1
RGB	172, 164, 161
RGB Percent	67%, 64%, 63%
CMY	0.3255, 0.3568, 0.3686
CMYK	0.00, 0.05, 0.06, 0.33
HSL	16°, 6%, 65%
HSV	16°, 6%, 67%
XYZ	36.7217, 37.8948, 39.0972
YIQ	166.0500, 5.7310, 0.7630

Conversions

Conversions Part 2

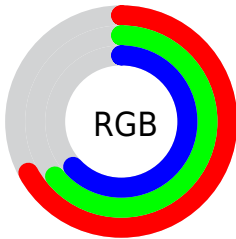
Format	Color
RYB	172, 165, 161
Decimal	11314337
CIELab	67.94, 2.34, 2.58
CIElCh	68, 3.481, 47.723
Yxy	37.8948, 0.3229, 0.3332
Android (android.graphics.Color)	4289504417 (0xFFACA4A1)
YUV	166.0500, -2.4897, 5.2181
Hunter-Lab	61.5588, -1.2470, 5.4349

Details

The XYZ color **36.7217, 37.8948, 39.0972** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.3321, 38.9308, 44.6295**, and the grayscale version is **36.2803, 38.1697, 41.5668**.

A 20% lighter version of the original color is **69.4047, 71.9518, 75.1958**, and **16.3544, 16.7072, 17.1147** is the 20% darker color. If you saturate the color by 10%, you get **33.1796, 33.0729, 30.9409**, and if you desaturate by 10%, it is **40.6947, 43.2436, 48.4275**.

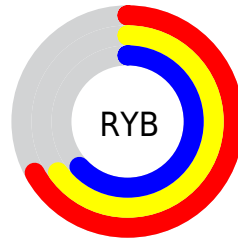
Distribution



Red (67%)

Green (64%)

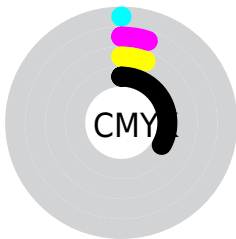
Blue (63%)



Red (67%)

Yellow (65%)

Blue (63%)

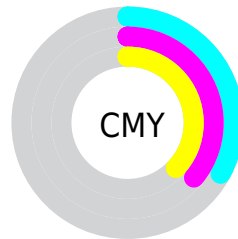


Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7217, 37.8948, 39.0972 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 36.7217, 37.8948, 39.0972 by changing the saturation by 10% instead.

■ 36.7217, 37.8948,
39.0972

■ 36.7217, 37.8948,
39.0972

323.4806,
337.1685, 357.7419

■ 25.1648, 25.9011,
26.5269

■ 69.4612, 71.9469,
75.0088

■ 16.3292, 16.7496,
16.9890

■ 91.3744, 94.7740,
99.1871

■ 9.8498, 10.0561,
10.0648

117.4705,
121.9810, 128.0720

■ 5.3610, 5.4362,
5.3357

148.1147,
153.9523, 162.0818

■ 2.4975, 2.5054,
2.3834

183.6725,
191.0723, 201.6352

■ 0.8940, 0.8793,
0.7774

224.5092,

■ 0.0000, 0.0000,

233.7254, 247.1506

0.0000

270.9901,
282.2960, 299.0467

■ 36.7217, 37.8948,
39.0972

■ 36.7217, 37.8948,
39.0972

■ 33.1796, 33.0729,
30.9409

■ 40.6947, 43.2436,
48.4275

■ 30.0503, 28.7569,
23.9094

■ 45.1094, 49.1295,
58.9734

■ 27.3193, 24.9315,
17.9538

■ 49.9803, 55.5690,
70.7775

■ 24.9700, 21.5790,
13.0204

■ 55.3201, 62.5761,
83.8795

■ 22.9843, 18.6805,
9.0511

■ 61.1412, 70.1644,
98.3175

■ 21.3428, 16.2157,
5.9815

■ 65.9381, 77.7402,
106.1378

■ 20.0241, 14.1629,
3.7398

■ 69.7270, 85.3180,
107.4008

■ 19.0039, 12.4979,
2.2425

■ 70.8234, 87.5107,
107.7662

■ 18.2518, 11.1931,
1.3766

Harmonies

Analogous

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



37.0171, 37.8948, 40.3613



36.7217, 37.8948, 39.0972



36.2394, 37.8948, 38.4198

Triad

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



36.7217, 37.8948, 39.0972



35.0116, 37.8948, 40.6312



36.3352, 37.8948, 44.1622

Complementary

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



36.7217, 37.8948, 39.0972



36.3321, 38.9308, 44.6295

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.



35.7973, 37.8948, 44.2389



36.7217, 37.8948, 39.0972



35.0367, 37.8948, 42.1739

Square

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



36.7217, 37.8948, 39.0972



35.2542, 37.8948, 39.2905



35.3231, 37.8948, 43.5032



36.7925, 37.8948, 43.2963

Rectangle

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



36.7217, 37.8948, 39.0972



35.8784, 37.8948, 38.3807



35.3231, 37.8948, 43.5032



36.1577, 37.8948, 44.2819

Sweetspot

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



36.7228, 37.8965, 39.0980



69.6639, 72.8594, 78.0406



36.9262, 37.1280, 42.7895



15.1571, 15.8577, 17.0013



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.



36.7228, 37.8965, 39.0980



65.4409, 67.1517, 68.1907



37.7154, 39.8817, 39.4289



8.1766, 8.3580, 8.3957



13.4563, 8.1180, 0.8577



0.4202, 0.3176, 0.0392

Inverse Universe

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



36.3321, 38.9308, 44.6295



64.5488, 69.5132, 80.8211



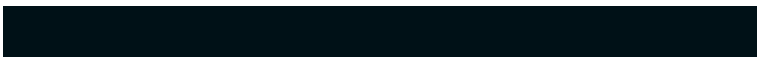
35.3429, 36.9522, 44.2998



8.0486, 8.6966, 10.2071



11.0498, 13.2336, 31.0165



0.3497, 0.4528, 0.8770

Previews

White Background



This preview shows how the XYZ color 36.7217, 37.8948, 39.0972 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 36.7217, 37.8948, 39.0972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

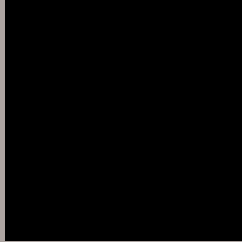
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7217, 37.8948, 39.0972

Background



This preview shows how black text looks on a background with the XYZ color 36.7217, 37.8948, 39.0972.



This preview shows how white text looks on a background with the XYZ color 36.7217, 37.8948,

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

36.7217, 37.8948, 39.0972

Protanopia

36.2503, 37.9185, 39.1266

Deuteranopia

38.6208, 37.8175, 39.4464



Tritanopia

38.1138, 37.9345, 45.8707

Trichromacy



Original Color

36.7217, 37.8948, 39.0972

Protanomaly

36.4657, 38.0295, 39.1367

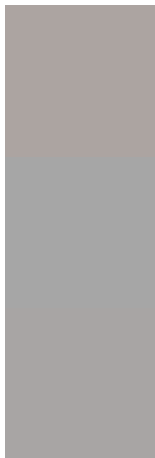
Deuteranomaly

37.8569, 37.6821, 39.4605

Tritanomaly

37.5865, 37.9809, 43.3802

Monochromacy



Original Color

36.7217, 37.8948, 39.0972

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.3044, 37.9154, 40.5269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7217, 37.8948, 39.0972 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(172, 164, 161) looks like.

```
.text, #text, p{  
    color:rgb(172, 164, 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(172, 164, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 164, 161) }
```

Border

The CSS property to change the border of an element to XYZ 36.7217, 37.8948, 39.0972 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(172, 164, 161) }
```


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

```
.border{ border-color:rgb(172, 164, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 164, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 164, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 164, 161);  
box-shadow:4px 4px 4px 4px rgb(172, 164,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7217, 37.8948, 39.0972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 164, 161) }
```

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

```
.background{ background-color: rgb(172,  
164, 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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