

Converting Colors

XYZ(38.2489, 37.9715, 42.6730)

Have a look what the booklet for
XYZ(38.2489, 37.9715, 42.6730)
contains.

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Color

**XYZ(38.4419, 38.1702,
42.8776)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A2A9
RGB	178, 162, 169
RGB Percent	70%, 64%, 66%
CMY	0.3020, 0.3647, 0.3373
CMYK	0.00, 0.09, 0.05, 0.30
HSL	334°, 9%, 67%
HSV	334°, 9%, 70%
XYZ	38.4419, 38.1702, 42.8776
YIQ	167.5820, 7.2890, 5.5690

Conversions

Conversions Part 2

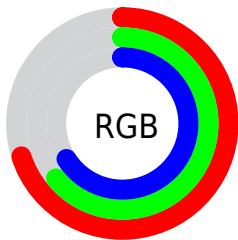
Format	Color
RYB	178, 162, 169
Decimal	11707049
CIELab	68.15, 7.07, -1.52
CIELCh	68, 7.228, 347.891
Yxy	38.1702, 0.3217, 0.3194
Android (android.graphics.Color)	4289897129 (0xFFB2A2A9)
YUV	167.5820, 0.6991, 9.1366
Hunter-Lab	61.7820, 2.9474, 2.0993

Details

The XYZ color **38.4419, 38.1702, 42.8776** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.1729, 42.4635, 44.7146**, and the grayscale version is **37.0097, 38.9371, 42.4025**.

A 20% lighter version of the original color is **72.1991, 72.5000, 80.7096**, and **17.2443, 16.7962, 19.1627** is the 20% darker color. If you saturate the color by 10%, you get **34.6214, 31.9762, 37.1421**, and if you desaturate by 10%, it is **42.7804, 45.2840, 49.1420**.

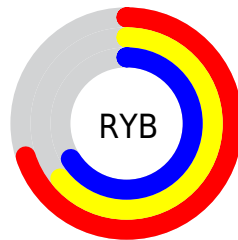
Distribution



Red (70%)

Green (64%)

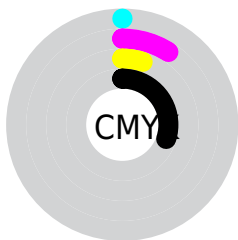
Blue (66%)



Red (70%)

Yellow (64%)

Blue (66%)

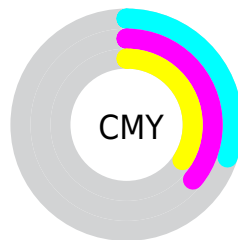


Cyan (0%)

Magenta (9%)

Yellow (5%)

Black (30%)



Cyan (30%)

Magenta (36%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4419, 38.1702, 42.8776 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 38.4419, 38.1702, 42.8776 by changing the saturation by 10% instead.

■ 38.4419, 38.1702,
42.8776

■ 38.4419, 38.1702,
42.8776

330.7600,
338.3495, 374.0146

■ 26.5046, 26.1148,
29.4584

■ 72.0845, 72.3689,
80.8105

■ 17.3362, 16.9096,
19.1793

■ 94.5205, 95.2811,
106.1613

■ 10.5713, 10.1700,
11.6218

121.1868,
122.5809, 136.3263

■ 5.8445, 5.5118,
6.3673

152.4487,
154.6529, 171.7242

■ 2.7905, 2.5506,
2.9973

188.6717,
191.8813, 212.7734

■ 1.0440, 0.9019,
1.0933

230.2210,

■ 0.0000, 0.0000,

234.6506, 259.8925

0.0000

277.4619,
283.3452, 313.5001

■ 38.4419, 38.1702,
42.8776

■ 38.4419, 38.1702,
42.8776

■ 34.6214, 31.9762,
37.1421

■ 42.7804, 45.2840,
49.1420

■ 31.2956, 26.6594,
31.9184

■ 47.6527, 53.3481,
55.9469

■ 28.4440, 22.1809,
27.1920

■ 53.0780, 62.3979,
63.3065

■ 26.0434, 18.4972,
22.9467

■ 59.0732, 72.4653,
71.2337

■ 24.0686, 15.5609,
19.1653

■ 65.6550, 83.5808,
79.7411

■ 22.4919, 13.3191,
15.8291

■ 68.2756, 86.6472,
87.3194

■ 21.2819, 11.7124,
12.9183

■ 69.7156, 87.2232,
94.9023

■ 20.4019, 10.6709,
10.4103

■ 71.2376, 87.8320,
102.9171

■ 19.7865, 10.0669,
8.2727

■ 72.1704, 88.2051,
107.8293

Harmonies

Analogous

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



37.9126, 38.1702, 45.8668



38.4419, 38.1702, 42.8776



38.3831, 38.1702, 39.6817

Triad

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



38.4419, 38.1702, 42.8776



35.6174, 38.1702, 35.9254



34.8446, 38.1702, 46.3415

Complementary

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



38.4419, 38.1702, 42.8776



38.1729, 42.4635, 44.7146

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.



34.2545, 38.1702, 43.4985



38.4419, 38.1702, 42.8776



34.6942, 38.1702, 37.5332

Square

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



38.4419, 38.1702, 42.8776



36.7365, 38.1702, 35.7784



34.2000, 38.1702, 40.2714



35.8265, 38.1702, 47.9350

Rectangle

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



38.4419, 38.1702, 42.8776



38.0184, 38.1702, 37.8614



34.2000, 38.1702, 40.2714



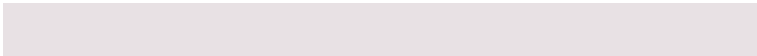
34.5947, 38.1702, 45.4937

Sweetspot

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



38.4430, 38.1719, 42.8784



74.2662, 76.6713, 84.3807



37.7087, 37.6923, 47.4080



16.3130, 16.7557, 18.4917



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



38.4430, 38.1719, 42.8784



68.1070, 66.6054, 75.3831



37.9448, 38.1987, 39.5575



8.6456, 8.5650, 9.6321



14.1476, 7.1766, 5.9373



0.4746, 0.2376, 0.3421

Inverse Universe

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



38.4430, 38.1719, 42.8784



68.1070, 66.6054, 75.3831



38.6991, 42.4201, 48.2684



8.6456, 8.5650, 9.6321



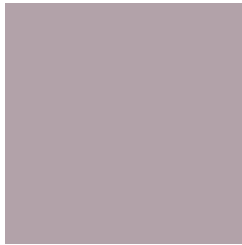
14.1476, 7.1766, 5.9373



0.4746, 0.2376, 0.3421

Previews

White Background



This preview shows how the XYZ color 38.4419, 38.1702, 42.8776 looks on a white background.

Color Contrast Check

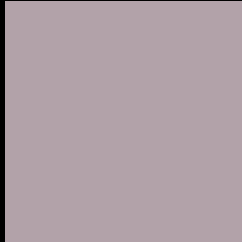
Large Text (above 18pt) WCAG AA × Fail

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 38.4419, 38.1702, 42.8776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

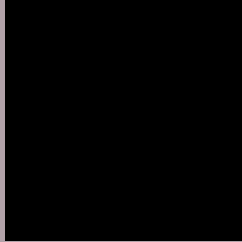
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4419, 38.1702, 42.8776

Background



This preview shows how black text looks on a background with the XYZ color 38.4419, 38.1702, 42.8776.



This preview shows how white text looks on a background with the XYZ color 38.4419, 38.1702,

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

38.4419, 38.1702, 42.8776

Protanopia

36.9543, 38.1754, 43.9490

Deuteranopia

38.9624, 38.1781, 42.8517



Tritanopia

38.9753, 38.1294, 45.3499

Trichromacy



Original Color

38.4419, 38.1702, 42.8776

Protanomaly

37.5444, 38.2239, 43.4293

Deuteranomaly

38.7287, 38.0576, 42.8407

Tritanomaly

38.7817, 38.0520, 44.3305

Monochromacy



Original Color

38.4419, 38.1702, 42.8776

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.7174, 38.8702, 42.5606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4419, 38.1702, 42.8776 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(178, 162, 169) looks like.

```
.text, #text, p{  
    color:rgb(178, 162, 169)  
}
```

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(178, 162, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 162, 169) }
```

Border

The CSS property to change the border of an element to XYZ 38.4419, 38.1702, 42.8776 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(178, 162, 169) }
```


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

```
.border{ border-color:rgb(178, 162, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 162, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 162, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 162, 169);  
box-shadow:4px 4px 4px 4px rgb(178, 162,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4419, 38.1702, 42.8776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 162, 169) }
```

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

```
.background{ background-color: rgb(178,  
162, 169) }
```

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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