

Converting Colors

XYZ(40.0089, 37.9930, 48.1200)

Have a look what the booklet for
XYZ(40.0089, 37.9930, 48.1200)
contains.

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Color

**XYZ(40.0633, 38.1182,
47.8938)**

Conversions

Conversions Part 1

Format	Color
Hex	B79FB3
RGB	183, 159, 179
RGB Percent	72%, 62%, 70%
CMY	0.2823, 0.3765, 0.2980
CMYK	0.00, 0.13, 0.02, 0.28
HSL	310°, 14%, 67%
HSV	310°, 13%, 72%
XYZ	40.0633, 38.1182, 47.8938
YIQ	168.4560, 7.8840, 11.3080

Conversions

Conversions Part 2

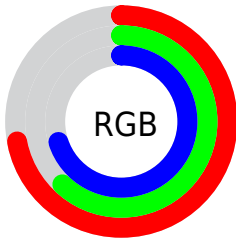
Format	Color
RYB	183, 159, 179
Decimal	12033971
CIELab	68.11, 12.36, -7.09
CIELCh	68, 14.248, 330.161
Yxy	38.1182, 0.3178, 0.3023
Android (android.graphics.Color)	4290224051 (0xFFB79FB3)
YUV	168.4560, 5.1982, 12.7551
Hunter-Lab	61.7399, 7.7845, -2.7753

Details

The XYZ color **40.0633, 38.1182, 47.8938** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.8439, 43.8834, 41.1282**, and the grayscale version is **37.4170, 39.3656, 42.8692**.

A 20% lighter version of the original color is **74.6386, 72.4420, 88.6461**, and **18.3344, 16.9773, 22.0493** is the 20% darker color. If you saturate the color by 10%, you get **36.8416, 32.1626, 45.3148**, and if you desaturate by 10%, it is **43.7599, 45.0116, 50.6657**.

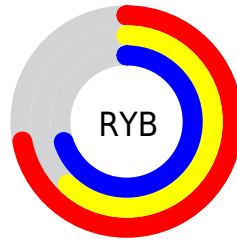
Distribution



Red (72%)

Green (62%)

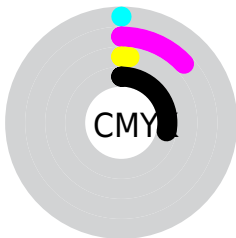
Blue (70%)



Red (72%)

Yellow (62%)

Blue (70%)

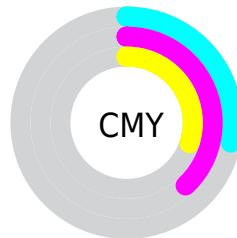


Cyan (0%)

Magenta (13%)

Yellow (2%)

Black (28%)



Cyan (28%)

Magenta (38%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0633, 38.1182, 47.8938 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 40.0633, 38.1182, 47.8938 by changing the saturation by 10% instead.

■ 40.0633, 38.1182,
47.8938

■ 40.0633, 38.1182,
47.8938

337.5201,
338.1267, 394.8676

■ 27.7723, 26.0744,
33.3834

■ 74.5436, 72.2893,
88.4102

■ 18.2937, 16.8793,
22.1468

■ 97.4637, 95.1854,
115.2532

■ 11.2620, 10.1485,
13.7655

124.6575,
122.4677, 147.0442

■ 6.3119, 5.4975,
7.8208

156.4904,
154.5207, 184.2017

■ 3.0781, 2.5420,
3.8944

193.3278,
191.7287, 227.1443

■ 1.1952, 0.8976,
1.5676

235.5349,

■ 0.1026, 0.0000,

234.4761, 276.2904

0.2675

283.4773,
283.1473, 332.0587

■ 0.0000, 0.0000,
0.0000

■ 40.0633, 38.1182,
47.8938

■ 40.0633, 38.1182,
47.8938

■ 36.8416, 32.1626,
45.3148

■ 43.7599, 45.0116,
50.6657

■ 34.0711, 27.0992,
42.9192

■ 47.9474, 52.8762,
53.6347

■ 31.7310, 22.8855,
40.7003

■ 52.6448, 61.7497,
56.8077

■ 29.7973, 19.4743,
38.6500

■ 57.8695, 71.6666,
60.1908

■ 28.2441, 16.8131,
36.7592

■ 63.6377, 82.6593,
63.7897

■ 27.0419, 14.8437,
35.0181

■ 65.4018, 85.6327,
66.0885

■ 26.1574, 13.4988,
33.4153

■ 65.7557, 85.7742,
67.9522

■ 25.5502, 12.6983,
31.9370

■ 66.1168, 85.9187,
69.8534

■ 25.2369, 12.3507,
30.9724

■ 66.4850, 86.0659,
71.7924

Harmonies

Analogous

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



38.4191, 38.1182, 53.0058



40.0633, 38.1182, 47.8938



40.6719, 38.1182, 41.4699

Triad

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



40.0633, 38.1182, 47.8938



36.2182, 38.1182, 30.4332



32.6609, 38.1182, 47.9592

Complementary

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



40.0633, 38.1182, 47.8938



37.8439, 43.8834, 41.1282

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.



32.1242, 38.1182, 41.5386



40.0633, 38.1182, 47.8938



34.1261, 38.1182, 31.7999

Square

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



40.0633, 38.1182, 47.8938



38.3975, 38.1182, 31.7711



32.6497, 38.1182, 35.7098



34.1460, 38.1182, 53.0462

Rectangle

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



40.0633, 38.1182, 47.8938



40.3899, 38.1182, 37.4290



32.6497, 38.1182, 35.7098



32.3664, 38.1182, 45.8650

Sweetspot

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



40.0644, 38.1199, 47.8946



77.7039, 79.3635, 90.2520



36.0512, 36.0036, 49.8498



17.0470, 17.3132, 19.8492



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



40.0644, 38.1199, 47.8946



69.8451, 64.7317, 84.2848



38.9030, 37.6553, 41.7786



9.3149, 9.1363, 11.0057



17.6271, 8.6246, 21.7211



0.6387, 0.3110, 0.8568

Inverse Universe

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



40.0644, 38.1199, 47.8946



69.8451, 64.7317, 84.2848



38.9708, 44.3342, 47.0620



9.3149, 9.1363, 11.0057



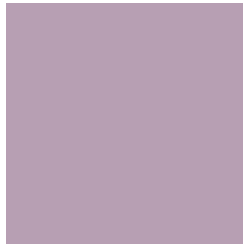
17.6271, 8.6246, 21.7211



0.6387, 0.3110, 0.8568

Previews

White Background



This preview shows how the XYZ color 40.0633, 38.1182, 47.8938 looks on a white background.

Color Contrast Check

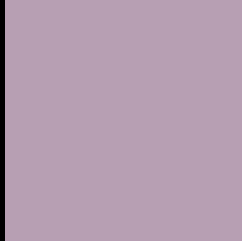
Large Text (above 18pt) WCAG AA × Fail

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 40.0633, 38.1182, 47.8938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

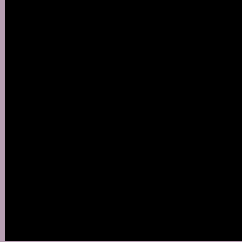
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0633, 38.1182, 47.8938

Background



This preview shows how black text looks on a background with the XYZ color 40.0633, 38.1182, 47.8938.



This preview shows how white text looks on a background with the XYZ color 40.0633, 38.1182,

47.8938.

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

40.0633, 38.1182, 47.8938

Protanopia

37.3122, 38.2217, 50.2107

Deuteranopia

39.0130, 38.0915, 47.9440



Tritanopia

39.4050, 38.1038, 44.8131

Trichromacy



Original Color

40.0633, 38.1182, 47.8938

Protanomaly

38.3353, 38.2297, 49.6146

Deuteranomaly

39.2979, 37.9800, 47.9075

Tritanomaly

39.6001, 38.1818, 45.8401

Monochromacy



Original Color

40.0633, 38.1182, 47.8938

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.1351, 38.7731, 44.5037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0633, 38.1182, 47.8938 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(183, 159, 179)` looks like.

```
.text, #text, p{  
    color:rgb(183, 159, 179)  
}
```

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(183, 159, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 159, 179) }
```

Border

The CSS property to change the border of an element to XYZ 40.0633, 38.1182, 47.8938 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(183, 159, 179) }
```


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

```
.border{ border-color:rgb(183, 159, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 159, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 159, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 159, 179);  
box-shadow:4px 4px 4px 4px rgb(183, 159,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0633, 38.1182, 47.8938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 159, 179) }
```

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

```
.background{ background-color: rgb(183,  
159, 179) }
```

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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