

Converting Colors

XYZ(38.7292, 36.3917, 46.8427)

Have a look what the booklet for
XYZ(38.7292, 36.3917, 46.8427)
contains.

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Color

**XYZ(38.8133, 36.4808,
47.1153)**

Conversions

Conversions Part 1

Format	Color
Hex	B59BB2
RGB	181, 155, 178
RGB Percent	71%, 61%, 70%
CMY	0.2902, 0.3921, 0.3020
CMYK	0.00, 0.14, 0.02, 0.29
HSL	307°, 15%, 66%
HSV	307°, 14%, 71%
XYZ	38.8133, 36.4808, 47.1153
YIQ	165.3960, 8.1130, 12.6650

Conversions

Conversions Part 2

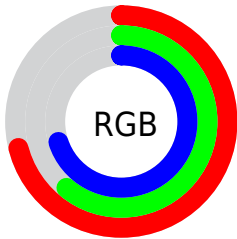
Format	Color
RYB	181, 155, 178
Decimal	11901874
CIELab	66.89, 13.69, -8.37
CIElCh	67, 16.041, 328.558
Yxy	36.4808, 0.3171, 0.2980
Android (android.graphics.Color)	4290091954 (0xFFB59BB2)
YUV	165.3960, 6.2138, 13.6847
Hunter-Lab	60.3993, 9.0073, -3.9704

Details

The XYZ color **38.8133, 36.4808, 47.1153** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.2144, 42.4860, 38.6417**, and the grayscale version is **35.9236, 37.7944, 41.1581**.

A 20% lighter version of the original color is **72.8229, 70.0382, 87.5224**, and **17.5541, 15.9705, 21.5594** is the 20% darker color. If you saturate the color by 10%, you get **35.8162, 30.8191, 45.0897**, and if you desaturate by 10%, it is **42.2673, 43.0500, 49.3098**.

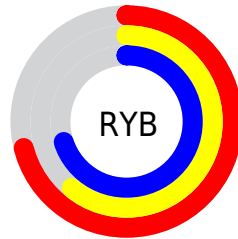
Distribution



Red (71%)

Green (61%)

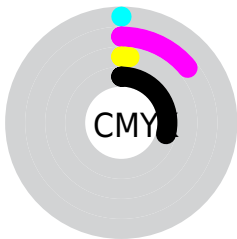
Blue (70%)



Red (71%)

Yellow (61%)

Blue (70%)

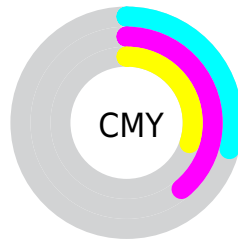


Cyan (0%)

Magenta (14%)

Yellow (2%)

Black (29%)



Cyan (29%)

Magenta (39%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8133, 36.4808, 47.1153 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 38.8133, 36.4808, 47.1153 by changing the saturation by 10% instead.

■ 38.8133, 36.4808,
47.1153

■ 38.8133, 36.4808,
47.1153

332.3169,
331.0572, 391.6817

■ 26.7946, 24.8058,
32.7718

■ 72.6489, 69.7735,
87.2375

■ 17.5548, 15.9324,
21.6820

■ 95.1965, 92.1600,
113.8533

■ 10.7286, 9.4763,
13.4274

121.9845,
118.8857, 145.3969

■ 5.9506, 5.0532,
7.5893

153.3782,
150.3351, 182.2869

■ 2.8554, 2.2785,
3.7493

189.7429,
186.8926, 224.9419

■ 1.0778, 0.7623,
1.4889

231.4440,

■ 0.0064, 0.0000,

228.9425, 273.7803

0.2096

278.8469,
276.8692, 329.2207

■ 0.0000, 0.0000,
0.0000

■ 38.8133, 36.4808,
47.1153

■ 38.8133, 36.4808,
47.1153

■ 35.8162, 30.8191,
45.0897

■ 42.2673, 43.0500,
49.3098

■ 33.2526, 26.0200,
43.2239

■ 46.1938, 50.5595,
51.6772

■ 31.1022, 22.0422,
41.5114

■ 50.6114, 59.0464,
54.2242

■ 29.3416, 18.8388,
39.9444

■ 55.5371, 68.5441,
56.9565

■ 27.9449, 16.3584,
38.5143

■ 60.9869, 79.0847,
59.8796

■ 26.8834, 14.5432,
37.2112

■ 64.1691, 85.0850,
62.0629

■ 26.1237, 13.3268,
36.0241

■ 64.4000, 85.1774,
63.2785

■ 25.6257, 12.6289,
34.9395

■ 64.6341, 85.2710,
64.5115

■ 25.4114, 12.3659,
34.3569

■ 64.8716, 85.3660,
65.7619

Harmonies

Analogous

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



36.9550, 36.4808, 52.6665



38.8133, 36.4808, 47.1153



39.5557, 36.4808, 40.0589

Triad

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



38.8133, 36.4808, 47.1153



34.7915, 36.4808, 27.7939



30.7313, 36.4808, 46.4652

Complementary

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



38.8133, 36.4808, 47.1153



36.2144, 42.4860, 38.6417

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.



30.2113, 36.4808, 39.3858



38.8133, 36.4808, 47.1153



32.4887, 36.4808, 29.0930

Square

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



38.8133, 36.4808, 47.1153



37.1677, 36.4808, 29.3673



30.8398, 36.4808, 33.1446



32.2942, 36.4808, 52.2614

Rectangle

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



38.8133, 36.4808, 47.1153



39.2927, 36.4808, 35.6144



30.8398, 36.4808, 33.1446



30.4320, 36.4808, 44.1325

Sweetspot

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



38.8144, 36.4824, 47.1161



75.8946, 77.4742, 88.4326



34.0854, 34.0093, 48.4847



16.2973, 16.5423, 19.0477



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.



38.8144, 36.4824, 47.1161



67.8636, 62.2111, 83.2921



37.6067, 35.9993, 40.7564



8.8070, 8.6295, 10.4819



17.5342, 8.5312, 23.7710



0.5636, 0.2732, 0.8106

Inverse Universe

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



38.8144, 36.4824, 47.1161



67.8636, 62.2111, 83.2921



37.3553, 42.9424, 44.6496



8.8070, 8.6295, 10.4819



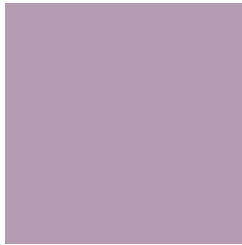
17.5342, 8.5312, 23.7710



0.5636, 0.2732, 0.8106

Previews

White Background



This preview shows how the XYZ color 38.8133, 36.4808, 47.1153 looks on a white background.

Color Contrast Check

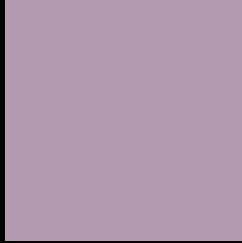
Large Text (above 18pt) WCAG AA × Fail

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 38.8133, 36.4808, 47.1153 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 38.8133, 36.4808, 47.1153

Background



This preview shows how black text looks on a background with the XYZ color 38.8133, 36.4808, 47.1153.



This preview shows how white text looks on a background with the XYZ color 38.8133, 36.4808,

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

38.8133, 36.4808, 47.1153

Protanopia

35.8610, 36.6916, 49.4481

Deuteranopia

37.1759, 36.3987, 46.6612



Tritanopia

38.0408, 36.6818, 42.6114

Trichromacy



Original Color

38.8133, 36.4808, 47.1153

Protanomaly

36.8871, 36.4573, 48.8089

Deuteranomaly

37.6720, 36.4022, 46.6358

Tritanomaly

38.1573, 36.4588, 44.0559

Monochromacy



Original Color

38.8133, 36.4808, 47.1153

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.7952, 37.0499, 43.2423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8133, 36.4808, 47.1153 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(181, 155, 178)` looks like.

```
.text, #text, p{  
    color:rgb(181, 155, 178)  
}
```

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(181, 155, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 155, 178) }
```

Border

The CSS property to change the border of an element to XYZ 38.8133, 36.4808, 47.1153 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(181, 155, 178) }
```


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

```
.border{ border-color:rgb(181, 155, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 155, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 155, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 155, 178);  
box-shadow:4px 4px 4px 4px rgb(181, 155,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8133, 36.4808, 47.1153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 155, 178) }
```

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

```
.background{ background-color: rgb(181,  
155, 178) }
```

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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