

Converting Colors

XYZ(38.2616, 37.2000, 48.0580)

Have a look what the booklet for
XYZ(38.2616, 37.2000, 48.0580)
contains.

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Color

**XYZ(38.2140, 37.1649,
47.8073)**

Conversions

Conversions Part 1

Format	Color
Hex	AF9FB3
RGB	175, 159, 179
RGB Percent	69%, 62%, 70%
CMY	0.3137, 0.3765, 0.2980
CMYK	0.02, 0.11, 0.00, 0.30
HSL	288°, 12%, 66%
HSV	288°, 11%, 70%
XYZ	38.2140, 37.1649, 47.8073
YIQ	166.0640, 3.1160, 9.6120

Conversions

Conversions Part 2

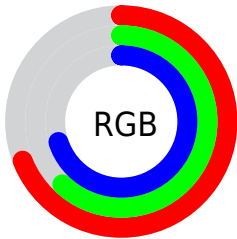
Format	Color
R_{YB}	175, 159, 179
Decimal	11509683
CIE Lab	67.40, 9.55, -8.22
CIE LCh	67, 12.596, 319.284
Yxy	37.1649, 0.3102, 0.3017
Android (android.graphics.Color)	4289699763 (0xFFAF9FB3)
YUV	166.0640, 6.3774, 7.8369
Hunter-Lab	60.9630, 5.2055, -3.8212

Details

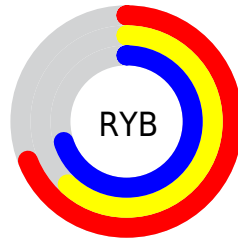
The XYZ color **38.2140, 37.1649, 47.8073** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.4838, 42.5309, 39.0364**, and the grayscale version is **36.2464, 38.1341, 41.5280**.

A 20% lighter version of the original color is **71.9970, 71.0802, 88.5225**, and **17.1545, 16.3691, 21.9941** is the 20% darker color. If you saturate the color by 10%, you get **34.5634, 31.0404, 46.8181**, and if you desaturate by 10%, it is **42.3339, 44.1951, 48.9477**.

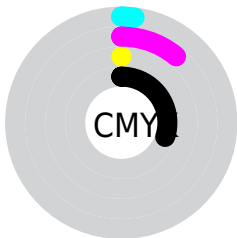
Distribution



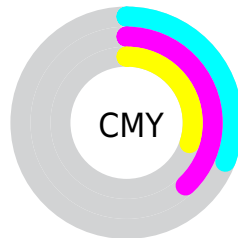
- Red (69%)
- Green (62%)
- Blue (70%)



- Red (69%)
- Yellow (62%)
- Blue (70%)



- Cyan (2%)
- Magenta (11%)
- Yellow (0%)
- Black (30%)



- Cyan (31%)
- Magenta (38%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2140, 37.1649, 47.8073 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 38.2140, 37.1649, 47.8073 by changing the saturation by 10% instead.

■ 38.2140, 37.1649,
47.8073

■ 38.2140, 37.1649,
47.8073

329.8021,
334.0239, 394.5145

■ 26.3268, 25.3352,
33.3154

■ 71.7378, 70.8263,
88.2800

■ 17.2022, 16.3270,
22.0951

■ 94.1051, 93.4268,
115.0979

■ 10.4750, 9.7558,
13.7278

120.6965,
120.3864, 146.8615

■ 5.7797, 5.2374,
7.7950

151.8773,
152.0894, 183.9893

■ 2.7510, 2.3872,
3.8782

188.0130,
188.9203, 226.9000

■ 1.0235, 0.8193,
1.5587

229.4687,

■ 0.0000, 0.0000,

231.2634, 276.0121

0.2611

276.6100,
279.5031, 331.7441

■ 0.0000, 0.0000,
0.0000

■ 38.2140, 37.1649,
47.8073

■ 38.2140, 37.1649,
47.8073

■ 34.5634, 31.0404,
46.8181

■ 42.3339, 44.1951,
48.9477

■ 31.3595, 25.7786,
45.9713

■ 46.9378, 52.1621,
50.2428

■ 28.5829, 21.3400,
45.2610

■ 52.0440, 61.1016,
51.6992

■ 26.2111, 17.6804,
44.6796

■ 57.6687, 71.0456,
53.3221

■ 24.2199, 14.7512,
44.2191

■ 63.8273, 82.0251,
55.1168

■ 22.5821, 12.4983,
43.8706

■ 66.7879, 86.5755,
55.8391

■ 21.2666, 10.8600,
43.6237

■ 67.7335, 87.0630,
55.8833

■ 20.2368, 9.7633,
43.4663

■ 68.7015, 87.5620,
55.9286

■ 19.4985, 9.1119,
43.3795

■ 69.6920, 88.0726,
55.9750

Harmonies

Analogous

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



36.5647, 37.1649, 51.3570



38.2140, 37.1649, 47.8073



39.0997, 37.1649, 42.4761

Triad

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



38.2140, 37.1649, 47.8073



36.0191, 37.1649, 30.8908



31.9338, 37.1649, 44.0808

Complementary

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



38.2140, 37.1649, 47.8073



37.4838, 42.5309, 39.0364

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.



31.7998, 37.1649, 38.5208



38.2140, 37.1649, 47.8073



34.1120, 37.1649, 31.2355

Square

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



38.2140, 37.1649, 47.8073



37.8021, 37.1649, 32.9292



32.5837, 37.1649, 33.9180



32.9568, 37.1649, 49.0737

Rectangle

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



38.2140, 37.1649, 47.8073



39.1170, 37.1649, 38.7748



32.5837, 37.1649, 33.9180



31.7847, 37.1649, 42.2062

Sweetspot

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



38.2151, 37.1665, 47.8081



74.3663, 76.6593, 87.2584



35.5928, 36.9402, 47.9026



16.3407, 16.7522, 19.2945



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.



38.2151, 37.1665, 47.8081



67.0348, 64.1868, 85.2373



38.5648, 37.4116, 44.8941



8.6802, 8.5592, 10.7009



13.8320, 6.4664, 30.6561



0.4776, 0.2253, 0.9666

Inverse Universe

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



37.6007, 37.0260, 39.8172



65.7632, 63.9006, 68.4893



37.1807, 42.3166, 41.6483



8.5636, 8.5321, 9.2002



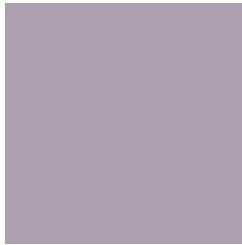
13.3790, 6.8692, 1.8899



0.4413, 0.2243, 0.1665

Previews

White Background



This preview shows how the XYZ color 38.2140, 37.1649, 47.8073 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 38.2140, 37.1649, 47.8073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

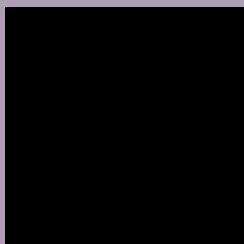
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2140, 37.1649, 47.8073

Background



This preview shows how black text looks on a background with the XYZ color 38.2140, 37.1649, 47.8073.



This preview shows how white text looks on a background with the XYZ color 38.2140, 37.1649,

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

38.2140, 37.1649, 47.8073

Protanopia

36.4410, 37.2532, 49.5259

Deuteranopia

37.9411, 37.2805, 47.8440



Tritanopia

37.5692, 37.1574, 44.7272

Trichromacy



Original Color

38.2140, 37.1649, 47.8073

Protanomaly

37.1972, 37.3923, 48.9730

Deuteranomaly

38.1630, 37.3950, 47.8544

Tritanomaly

37.7642, 37.2354, 45.7542

Monochromacy



Original Color

38.2140, 37.1649, 47.8073

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.8101, 37.5697, 43.8397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2140, 37.1649, 47.8073 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(175, 159, 179)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 159, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 159, 179) }
```

Border

The CSS property to change the border of an element to XYZ 38.2140, 37.1649, 47.8073 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(175, 159, 179) }
```


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

```
.border{ border-color:rgb(175, 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(175, 159, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 159, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 159, 179);  
box-shadow:4px 4px 4px 4px rgb(175, 159,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2140, 37.1649, 47.8073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 159, 179) }
```

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

```
.background{ background-color: rgb(175,  
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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