

Converting Colors

XYZ(38.2471, 48.1783, 37.6402)

Have a look what the booklet for
XYZ(38.2471, 48.1783, 37.6402)
contains.

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Color

**XYZ(38.1103, 47.9426,
37.8171)**

Conversions

Conversions Part 1

Format	Color
Hex	97C39A
RGB	151, 195, 154
RGB Percent	59%, 76%, 60%
CMY	0.4078, 0.2353, 0.3961
CMYK	0.23, 0.00, 0.21, 0.24
HSL	124°, 27%, 68%
HSV	124°, 23%, 76%
XYZ	38.1103, 47.9426, 37.8171
YIQ	177.1700, -13.0630, -22.0790

Conversions

Conversions Part 2

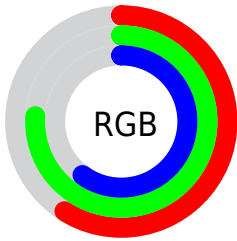
Format	Color
RYB	151, 192, 195
Decimal	9946010
CIELab	74.79, -22.63, 15.95
CIElCh	75, 27.686, 144.831
Yxy	47.9426, 0.3077, 0.3870
Android (android.graphics.Color)	4288136090 (0xFF97C39A)
YUV	177.1700, -11.4228, -22.9511
Hunter-Lab	69.2406, -22.9239, 16.0860

Details

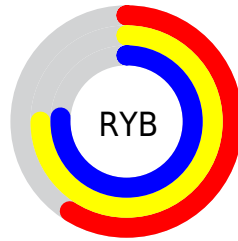
The XYZ color **38.1103, 47.9426, 37.8171** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.0883, 37.5421, 54.8464**, and the grayscale version is **41.9434, 44.1277, 48.0551**.

A 20% lighter version of the original color is **71.6492, 87.2967, 72.7481**, and **17.1186, 22.6817, 16.3077** is the 20% darker color. If you saturate the color by 10%, you get **33.3858, 45.6702, 30.2853**, and if you desaturate by 10%, it is **43.6651, 50.6193, 46.5856**.

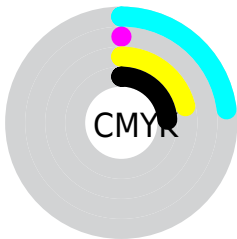
Distribution



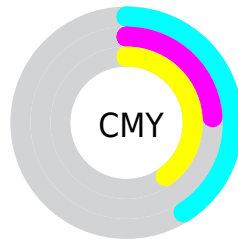
- Red (59%)
- Green (76%)
- Blue (60%)



- Red (59%)
- Yellow (75%)
- Blue (76%)



- Cyan (23%)
- Magenta (0%)
- Yellow (21%)
- Black (24%)





- Cyan (41%)
- Magenta (24%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1103, 47.9426, 37.8171 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 38.1103, 47.9426, 37.8171 by changing the saturation by 10% instead.


 38.1103, 47.9426,
37.8171


 38.1103, 47.9426,
37.8171


329.3656,
378.5646, 352.1094

 26.2459, 33.7814,
25.5400

 71.5800, 87.1189,
73.0280

 17.1413, 22.7257,
16.2572

 93.9160, 112.9029,
96.7990

 10.4312, 14.3911,
9.5500


120.4732,
143.3299, 125.2383

 5.7503, 8.3932,
5.0000

151.6171,
178.7844, 158.7645

 2.7330, 4.3476,
2.1885

187.7129,
219.6507, 197.7962

 1.0142, 1.8698,
0.6677

229.1260,

 0.0000, 0.5301,

266.3132, 242.7519

0.0000

276.2218,
319.1564, 294.0501

■ 0.0000, 0.0000,
0.0000

■ 38.1103, 47.9426,
37.8171

■ 38.1103, 47.9426,
37.8171

■ 33.3858, 45.6702,
30.2853

■ 43.6651, 50.6193,
46.5856

■ 29.4480, 43.7768,
23.9317

■ 50.0835, 53.7122,
56.6397

■ 26.2554, 42.2435,
18.6976

■ 57.4013, 57.2401,
68.0293

■ 23.7609, 41.0474,
14.5182

■ 65.6515, 61.2191,
80.8008

■ 21.9120, 40.1631,
11.3219

■ 74.8652, 65.6643,
94.9984

■ 20.6489, 39.5614,
9.0283

■ 78.8060, 67.5121,
103.4853

■ 19.9006, 39.2077,
7.5443

■ 19.5906, 39.0619,
6.8981

Harmonies

Analogous

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



41.6260, 47.9426, 30.8824



38.1103, 47.9426, 37.8171



36.5984, 47.9426, 49.7452

Triad

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



38.1103, 47.9426, 37.8171



44.7021, 47.9426, 84.9323



54.9212, 47.9426, 41.4121

Complementary

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



38.1103, 47.9426, 37.8171



43.0883, 37.5421, 54.8464

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.



55.8950, 47.9426, 54.7370



38.1103, 47.9426, 37.8171



49.7514, 47.9426, 81.5907

Square

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



38.1103, 47.9426, 37.8171



40.2211, 47.9426, 78.2755



53.9402, 47.9426, 69.8364



51.3689, 47.9426, 32.6748

Rectangle

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



38.1103, 47.9426, 37.8171



36.8434, 47.9426, 59.6171



53.9402, 47.9426, 69.8364



55.5715, 47.9426, 45.4276

Sweetspot

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



38.1116, 47.9446, 37.8182



84.2777, 93.5835, 92.9659



46.8581, 52.4822, 36.9389



18.3004, 20.4188, 20.1149



0.0000, 0.0000, 0.0000



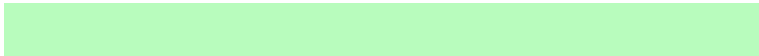
20.3446, 21.4041, 23.3091

Same Dimension

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



38.1116, 47.9446, 37.8182



63.9667, 83.8012, 60.9121



40.1088, 48.7435, 48.3356



9.9717, 11.2697, 10.8542



12.7439, 25.3916, 4.5447



0.5604, 1.1010, 0.2479

Inverse Universe

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



43.0883, 37.5421, 54.8464



74.4210, 61.9455, 96.6799



40.8357, 36.6410, 42.9846



10.4667, 10.2353, 12.5481



20.1079, 9.7329, 29.5440



0.8779, 0.4242, 1.3243

Previews

White Background



This preview shows how the XYZ color 38.1103, 47.9426, 37.8171 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 38.1103, 47.9426, 37.8171 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

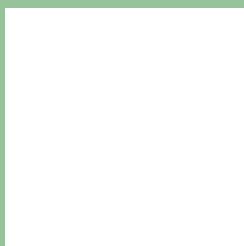
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1103, 47.9426, 37.8171

Background



This preview shows how black text looks on a background with the XYZ color 38.1103, 47.9426, 37.8171.



This preview shows how white text looks on a background with the XYZ color 38.1103, 47.9426,

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

38.1103, 47.9426, 37.8171

Protanopia

44.7845, 47.6072, 34.8457

Deuteranopia

48.4720, 47.6145, 38.9835



Tritanopia

43.2599, 47.7518, 63.4369

Trichromacy



Original Color

38.1103, 47.9426, 37.8171

Protanomaly

41.8658, 47.3264, 35.7825

Deuteranomaly

44.2126, 47.5341, 38.7430

Tritanomaly

41.2924, 47.9325, 52.9745

Monochromacy



Original Color

38.1103, 47.9426, 37.8171

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.4504, 45.4704, 44.1808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1103, 47.9426, 37.8171 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(151, 195, 154)` looks like.

```
.text, #text, p{  
    color:rgb(151, 195, 154)  
}
```

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(151, 195, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 195, 154) }
```

Border

The CSS property to change the border of an element to XYZ 38.1103, 47.9426, 37.8171 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(151, 195, 154) }
```


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

```
.border{ border-color:rgb(151, 195, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 195, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 195, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 195, 154); box-shadow:4px 4px 4px 4px rgb(151, 195, 154) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1103, 47.9426, 37.8171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 195, 154) }
```

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

```
.background{ background-color: rgb(151,  
195, 154) }
```

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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