

Converting Colors

XYZ(37.8695, 47.1100, 51.7749)

Have a look what the booklet for
XYZ(37.8695, 47.1100, 51.7749)
contains.

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Color

**XYZ(37.9924, 47.2367,
51.9149)**

Conversions

Conversions Part 1

Format	Color
Hex	88C2B7
RGB	136, 194, 183
RGB Percent	53%, 76%, 72%
CMY	0.4667, 0.2392, 0.2823
CMYK	0.30, 0.00, 0.06, 0.24
HSL	169°, 32%, 65%
HSV	169°, 30%, 76%
XYZ	37.9924, 47.2367, 51.9149
YIQ	175.4040, -31.0370, -15.7170

Conversions

Conversions Part 2

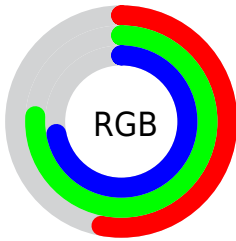
Format	Color
RYB	136, 168, 194
Decimal	8962743
CIELab	74.34, -21.08, -0.49
CIELCh	74, 21.088, 181.318
Yxy	47.2367, 0.2770, 0.3444
Android (android.graphics.Color)	4287152823 (0xFF88C2B7)
YUV	175.4040, 3.7448, -34.5573
Hunter-Lab	68.7290, -21.6034, 3.3252

Details

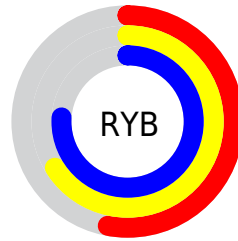
The XYZ color **37.9924, 47.2367, 51.9149** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.3204, 31.1856, 31.7109**, and the grayscale version is **40.9507, 43.0833, 46.9177**.

A 20% lighter version of the original color is **71.5630, 86.3027, 94.5477**, and **17.0635, 22.2527, 24.5150** is the 20% darker color. If you saturate the color by 10%, you get **34.7446, 45.6073, 49.7902**, and if you desaturate by 10%, it is **41.8232, 49.1679, 54.1212**.

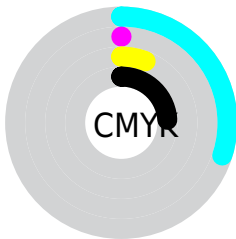
Distribution



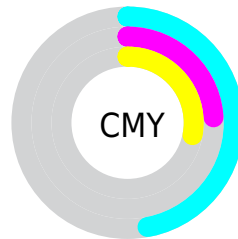
- Red (53%)
- Green (76%)
- Blue (72%)



- Red (53%)
- Yellow (66%)
- Blue (76%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (24%)





- Cyan (47%)
- Magenta (24%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9924, 47.2367, 51.9149 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 37.9924, 47.2367, 51.9149 by changing the saturation by 10% instead.


 37.9924, 47.2367,
51.9149


 37.9924, 47.2367,
51.9149


328.8688,
375.7585, 411.0556


 26.1540, 33.2228,
36.5555


 71.4005, 86.0668,
94.4310

 17.0722, 22.2972,
24.5704


 93.7008, 111.6519,
122.4248

 10.3816, 14.0754,
15.5412


 120.2192,
141.8627, 155.4671

 5.7169, 8.1731,
9.0493

151.3209,
177.0839, 193.9765

 2.7127, 4.2059,
4.6761

187.3714,
217.6996, 238.3715

 1.0037, 1.7894,
2.0031

228.7360,

 0.0000, 0.4806,

264.0944, 289.0707

0.5572

275.7800,
316.6526, 346.4925

■ 0.0000, 0.0000,
0.0000

■ 37.9924, 47.2367,
51.9149

■ 37.9924, 47.2367,
51.9149

■ 34.7446, 45.6073,
49.7902

■ 41.8232, 49.1679,
54.1212

■ 32.0449, 44.2581,
47.7421

■ 46.2615, 51.4100,
56.4075

■ 29.8609, 43.1736,
45.7697

■ 51.3353, 53.9784,
58.7767

■ 28.1550, 42.3345,
43.8707

■ 57.0697, 56.8862,
61.2302

■ 26.8846, 41.7187,
42.0427

■ 63.4883, 60.1456,
63.7695

■ 25.9991, 41.3002,
40.2831

■ 70.6136, 63.7680,
66.3961

■ 25.4015, 41.0291,
38.5868

■ 72.0118, 64.4369,
68.8093

■ 25.3957, 41.0265,
38.5696

■ 72.4721, 64.6210,
71.2335

■ 72.9431, 64.8094,
73.7135

Harmonies

Analogous

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



38.7970, 47.2367, 42.0440



37.9924, 47.2367, 51.9149



38.9495, 47.2367, 63.0735

Triad

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



37.9924, 47.2367, 51.9149



48.7963, 47.2367, 71.4229



48.4897, 47.2367, 35.1963

Complementary

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



37.9924, 47.2367, 51.9149



36.3204, 31.1856, 31.7109

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.



51.4213, 47.2367, 41.3203



37.9924, 47.2367, 51.9149



51.6052, 47.2367, 62.1244

Square

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



37.9924, 47.2367, 51.9149



45.0651, 47.2367, 75.2719



52.5914, 47.2367, 50.9536



44.7294, 47.2367, 33.2472

Rectangle

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



37.9924, 47.2367, 51.9149



40.4908, 47.2367, 69.5246



52.5914, 47.2367, 50.9536



49.6120, 47.2367, 36.7879

Sweetspot

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



37.9938, 47.2386, 51.9160



84.4633, 93.4681, 102.5104



35.8777, 46.6218, 30.4015



18.2169, 20.3271, 22.3117



0.0000, 0.0000, 0.0000



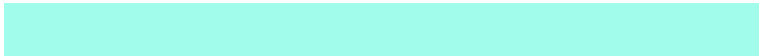
20.3446, 21.4041, 23.3091

Same Dimension

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



37.9938, 47.2386, 51.9160



64.7904, 83.5503, 91.4688



35.5357, 40.4175, 56.9695



10.2840, 11.3946, 12.4986



16.7249, 26.9840, 25.5081



0.7443, 1.1746, 1.2160

Inverse Universe

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



36.3204, 31.1856, 31.7109



61.2696, 49.7152, 48.9126



38.1505, 36.1621, 28.2627



10.1495, 10.1084, 10.8780



14.8679, 7.6369, 1.9507



0.6665, 0.3396, 0.2110

Previews

White Background



This preview shows how the XYZ color 37.9924, 47.2367, 51.9149 looks on a white background.

Color Contrast Check

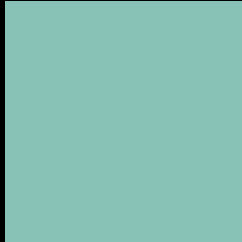
Large Text (above 18pt) WCAG AA × Fail

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 37.9924, 47.2367, 51.9149 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 37.9924, 47.2367, 51.9149

Background



This preview shows how black text looks on a background with the XYZ color 37.9924, 47.2367, 51.9149.

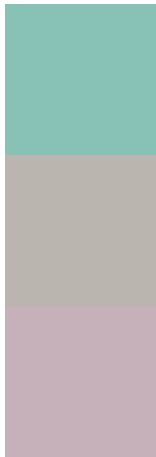


This preview shows how white text looks on a background with the XYZ color 37.9924, 47.2367,

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

37.9924, 47.2367, 51.9149

Protanopia

44.8539, 46.7471, 47.7333

Deuteranopia

47.9805, 47.0379, 53.5641



Tritanopia

40.7559, 47.3806, 65.3898

Trichromacy



Original Color

37.9924, 47.2367, 51.9149

Protanomaly

41.8440, 46.6973, 49.4559

Deuteranomaly

43.4756, 46.5261, 53.1434

Tritanomaly

39.6901, 47.2655, 60.4573

Monochromacy



Original Color

37.9924, 47.2367, 51.9149

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.4618, 44.2473, 48.5802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9924, 47.2367, 51.9149 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(136, 194, 183)` looks like.

```
.text, #text, p{  
    color:rgb(136, 194, 183)  
}
```

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(136, 194, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 194, 183) }
```

Border

The CSS property to change the border of an element to XYZ 37.9924, 47.2367, 51.9149 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(136, 194, 183) }
```


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

```
.border{ border-color:rgb(136, 194, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 194, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 194, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 194, 183);  
box-shadow:4px 4px 4px 4px rgb(136, 194,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9924, 47.2367, 51.9149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 194, 183) }
```

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

```
.background{ background-color: rgb(136,  
194, 183) }
```

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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