

Converting Colors

XYZ(38.9924, 51.9923, 47.6108)

Have a look what the booklet for
XYZ(38.9924, 51.9923, 47.6108)
contains.

XYZ(38.9742, 51.9850, 47.5151)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.9742, 51.9850,
47.5151)**

Conversions

Conversions Part 1

Format	Color
Hex	83CEAD
RGB	131, 206, 173
RGB Percent	51%, 81%, 68%
CMY	0.4863, 0.1921, 0.3216
CMYK	0.36, 0.00, 0.16, 0.19
HSL	154°, 43%, 66%
HSV	154°, 36%, 81%
XYZ	38.9742, 51.9850, 47.5151
YIQ	179.8130, -34.1070, -26.1630

Conversions

Conversions Part 2

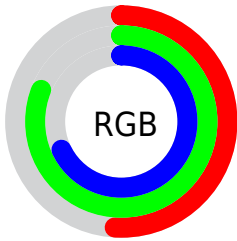
Format	Color
RYB	131, 179, 206
Decimal	8638125
CIELab	77.27, -30.57, 9.11
CIELCh	77, 31.900, 163.401
Yxy	51.9850, 0.2815, 0.3754
Android (android.graphics.Color)	4286828205 (0xFF83CEAD)
YUV	179.8130, -3.3588, -42.8090
Hunter-Lab	72.1006, -29.6874, 11.3977

Details

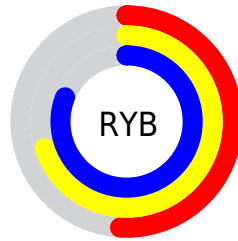
The XYZ color **38.9742, 51.9850, 47.5151** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.2725, 32.0361, 39.1850**, and the grayscale version is **43.3138, 45.5695, 49.6252**.

A 20% lighter version of the original color is **70.0133, 87.5605, 86.6096**, and **17.6597, 25.1334, 22.0096** is the 20% darker color. If you saturate the color by 10%, you get **35.2479, 50.1634, 42.9169**, and if you desaturate by 10%, it is **43.3972, 54.1617, 52.4588**.

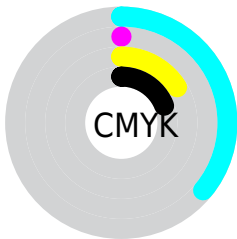
Distribution



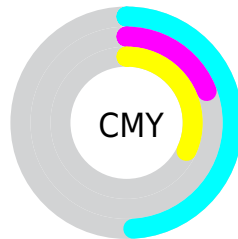
- Red (51%)
- Green (81%)
- Blue (68%)



- Red (51%)
- Yellow (70%)
- Blue (81%)



- Cyan (36%)
- Magenta (0%)
- Yellow (16%)
- Black (19%)



- Cyan (49%)
- Magenta (19%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9742, 51.9850, 47.5151 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 38.9742, 51.9850, 47.5151 by changing the saturation by 10% instead.

■ 38.9742, 51.9850,
47.5151

■ 38.9742, 51.9850,
47.5151

332.9898,
394.3787, 393.3200

■ 26.9203, 36.9931,
33.0858

■ 72.8932, 93.1091,
87.8400

■ 17.6496, 25.2022,
21.9205

■ 95.4891, 120.0101,
114.5727

■ 10.7969, 16.2277,
13.6008

■ 122.3296,
151.6497, 146.2436

■ 5.9967, 9.6854,
7.7079

153.7801,
188.4121, 183.2712

■ 2.8837, 5.1909,
3.8236

190.2061,
230.6818, 226.0741

■ 1.0926, 2.3597,
1.5291

231.9728,

■ 0.0189, 0.8050,

278.8432, 275.0709

0.2394

279.4456,
333.2807, 330.6800

■ 0.0000, 0.0000,
0.0000

■ 38.9742, 51.9850,
47.5151

■ 38.9742, 51.9850,
47.5151

■ 35.2479, 50.1634,
42.9169

■ 43.3972, 54.1617,
52.4588

■ 32.1751, 48.6704,
38.6528

■ 48.5485, 56.7055,
57.7522

■ 29.7141, 47.4864,
34.7155

■ 54.4626, 59.6354,
63.4037

■ 27.8166, 46.5863,
31.0965

■ 61.1709, 62.9674,
69.4203

■ 26.4263, 45.9414,
27.7862

■ 68.7027, 66.7165,
75.8091

■ 25.4715, 45.5149,
24.7743

■ 77.0858, 70.8971,
82.5766

■ 25.1874, 45.3905,
23.7616

■ 78.5186, 71.4870,
89.3629

■ 79.8729, 72.0287,
96.4948

■ 81.2951, 72.5976,
103.9841

Harmonies

Analogous

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



41.7615, 51.9850, 35.4870



38.9742, 51.9850, 47.5151



38.8293, 51.9850, 64.7738

Triad

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



38.9742, 51.9850, 47.5151



52.1864, 51.9850, 96.0992



58.4578, 51.9850, 36.4698

Complementary

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



38.9742, 51.9850, 47.5151



40.2725, 32.0361, 39.1850

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.



61.7572, 51.9850, 49.1496



38.9742, 51.9850, 47.5151



57.9400, 51.9850, 84.7732

Square

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



38.9742, 51.9850, 47.5151



46.1258, 51.9850, 95.4083



61.5603, 51.9850, 66.7812



52.8469, 51.9850, 30.0702

Rectangle

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



38.9742, 51.9850, 47.5151



40.2273, 51.9850, 77.2441



61.5603, 51.9850, 66.7812



59.8939, 51.9850, 40.0112

Sweetspot

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



38.9756, 51.9871, 47.5163



83.5487, 94.2931, 98.3200



41.6348, 53.7561, 29.6551



17.6029, 20.0440, 20.7762



0.0000, 0.0000, 0.0000



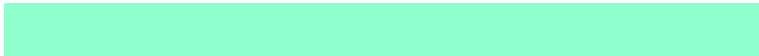
20.3446, 21.4041, 23.3091

Same Dimension

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



38.9756, 51.9871, 47.5163



58.1487, 81.7801, 70.8774



41.6816, 51.6421, 66.1660



11.3267, 12.6404, 13.2776



15.5585, 27.9687, 14.8919



0.8404, 1.4580, 0.9671

Inverse Universe

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



40.2725, 32.0361, 39.1850



60.5658, 44.6582, 55.3959



38.1810, 32.0200, 25.6416



11.4140, 11.2943, 12.7145



16.8739, 8.5602, 7.0547



0.9084, 0.4568, 0.5637

Previews

White Background



This preview shows how the XYZ color 38.9742, 51.9850, 47.5151 looks on a white background.

Color Contrast Check

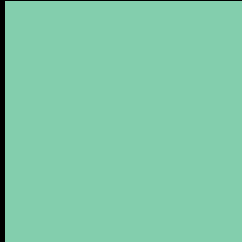
Large Text (above 18pt) WCAG AA × Fail

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 38.9742, 51.9850, 47.5151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

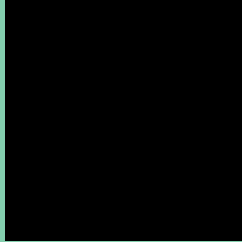
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9742, 51.9850, 47.5151

Background



This preview shows how black text looks on a background with the XYZ color 38.9742, 51.9850, 47.5151.



This preview shows how white text looks on a background with the XYZ color 38.9742, 51.9850,

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

38.9742, 51.9850, 47.5151

Protanopia

48.4516, 51.2176, 42.4543

Deuteranopia

52.4099, 51.2275, 49.2451



Tritanopia

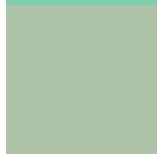
44.0335, 51.9291, 72.6683

Trichromacy



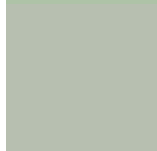
Original Color

38.9742, 51.9850, 47.5151



Protanomaly

43.9457, 50.8189, 44.0521



Deuteranomaly

45.9957, 50.4635, 48.3905



Tritanomaly

41.8624, 51.7296, 62.4220

Monochromacy



Original Color

38.9742, 51.9850, 47.5151



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

41.0337, 47.2509, 48.5526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9742, 51.9850, 47.5151 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(131, 206, 173)` looks like.

```
.text, #text, p{  
    color:rgb(131, 206, 173)  
}
```

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(131, 206, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 206, 173) }
```

Border

The CSS property to change the border of an element to XYZ 38.9742, 51.9850, 47.5151 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(131, 206, 173) }
```


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

```
.border{ border-color:rgb(131, 206, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 206, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 206, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 206, 173);  
box-shadow:4px 4px 4px 4px rgb(131, 206,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9742, 51.9850, 47.5151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 206, 173) }
```

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

```
.background{ background-color: rgb(131,  
206, 173) }
```

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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