

Converting Colors

XYZ(38.0660, 49.8011, 46.9403)

Have a look what the booklet for
XYZ(38.0660, 49.8011, 46.9403)
contains.

XYZ(38.1023, 49.7770, 47.1349)	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(38.1023, 49.7770,
47.1349)**

Conversions

Conversions Part 1

Format	Color
Hex	85C9AD
RGB	133, 201, 173
RGB Percent	52%, 79%, 68%
CMY	0.4784, 0.2117, 0.3216
CMYK	0.34, 0.00, 0.14, 0.21
HSL	155°, 39%, 65%
HSV	155°, 34%, 79%
XYZ	38.1023, 49.7770, 47.1349
YIQ	177.4760, -31.5400, -23.1240

Conversions

Conversions Part 2

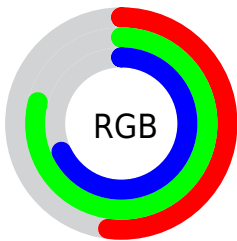
Format	Color
RYB	133, 176, 201
Decimal	8767917
CIELab	75.93, -27.59, 7.21
CIELCh	76, 28.513, 165.355
Yxy	49.7770, 0.2822, 0.3687
Android (android.graphics.Color)	4286957997 (0xFF85C9AD)
YUV	177.4760, -2.2067, -39.0055
Hunter-Lab	70.5528, -27.0679, 9.7765

Details

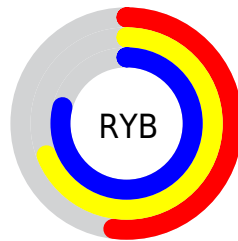
The XYZ color **38.1023, 49.7770, 47.1349** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.9096, 31.7669, 37.8009**, and the grayscale version is **42.0645, 44.2552, 48.1939**.

A 20% lighter version of the original color is **70.5026, 87.8128, 86.6325**, and **17.1932, 23.9534, 21.8065** is the 20% darker color. If you saturate the color by 10%, you get **34.4514, 47.9859, 42.9124**, and if you desaturate by 10%, it is **42.4128, 51.9051, 51.6494**.

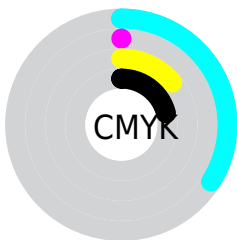
Distribution



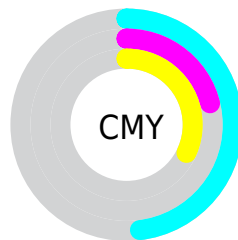
- Red (52%)
- Green (79%)
- Blue (68%)



- Red (52%)
- Yellow (69%)
- Blue (79%)



- Cyan (34%)
- Magenta (0%)
- Yellow (14%)
- Black (21%)





- Cyan (48%)
- Magenta (21%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1023, 49.7770, 47.1349 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 38.1023, 49.7770, 47.1349 by changing the saturation by 10% instead.


 38.1023, 49.7770,
47.1349


 38.1023, 49.7770,
47.1349


329.3319,
385.7932, 391.7621


 26.2397, 35.2362,
32.7872


 71.5678, 89.8444,
87.2670

 17.1366, 23.8449,
21.6937


 93.9014, 116.1398,
113.8886

 10.4279, 15.2186,
13.4358


 120.4560,
147.1222, 145.4384

 5.7480, 8.9730,
7.5951

151.5970,
183.1760, 182.3352

 2.7317, 4.7235,
3.7529

187.6897,
224.6857, 224.9974

 1.0135, 2.0860,
1.4908

229.0995,

 0.0000, 0.6567,

272.0355, 273.8436

0.2111

276.1918,
325.6099, 329.2923

■ 0.0000, 0.0000,
0.0000

■ 38.1023, 49.7770,
47.1349

■ 38.1023, 49.7770,
47.1349

■ 34.4514, 47.9859,
42.9124

■ 42.4128, 51.9051,
51.6494

■ 31.4204, 46.5074,
38.9724

■ 47.4117, 54.3808,
56.4587

■ 28.9714, 45.3235,
35.3091


■ 53.1309, 57.2220,
61.5696


■ 27.0606, 44.4116,
31.9158


■ 59.5992, 60.4432,
66.9880


■ 25.6375, 43.7458,
28.7850


■ 66.8436, 64.0585,
72.7192


 24.6413, 43.2948,
25.9085

 74.8898, 68.0810,
78.7685

 24.1715, 43.0887,
24.2554

 76.5430, 68.8014,
84.8033

 77.7398, 69.2801,
91.1054

 78.9926, 69.7812,
97.7025

Harmonies

Analogous

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



40.4109, 49.7770, 36.1336



38.1023, 49.7770, 47.1349



38.1307, 49.7770, 62.3187

Triad

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



38.1023, 49.7770, 47.1349



50.0678, 49.7770, 87.5794



54.8573, 49.7770, 35.9384

Complementary

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



38.1023, 49.7770, 47.1349



38.9096, 31.7669, 37.8009

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.



57.8591, 49.7770, 46.8166



38.1023, 49.7770, 47.1349



54.9562, 49.7770, 77.4601

Square

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



38.1023, 49.7770, 47.1349



44.7761, 49.7770, 87.7087



57.8966, 49.7770, 61.9351



49.9409, 49.7770, 30.5393

Rectangle

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



38.1023, 49.7770, 47.1349



39.4613, 49.7770, 72.9464



57.8966, 49.7770, 61.9351



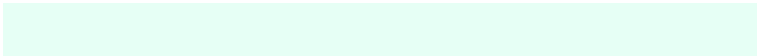
56.1395, 49.7770, 38.9744

Sweetspot

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



38.1037, 49.7790, 47.1360



84.6380, 94.8224, 99.8278



39.8871, 51.0807, 29.9481



17.8251, 20.1515, 21.1036



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.



38.1037, 49.7790, 47.1360



60.2977, 82.7976, 75.0564



39.8069, 48.3854, 62.5021



10.7548, 11.9908, 12.6588



15.2439, 27.1099, 15.4948



0.7572, 1.2978, 0.9200

Inverse Universe

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



38.9096, 31.7669, 37.8009



61.9001, 47.0893, 56.5729



37.5069, 32.4809, 26.4835



10.8119, 10.7082, 11.9929



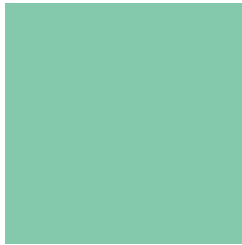
16.1645, 8.2154, 6.0760



0.8012, 0.4033, 0.4765

Previews

White Background



This preview shows how the XYZ color 38.1023, 49.7770, 47.1349 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 38.1023, 49.7770, 47.1349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

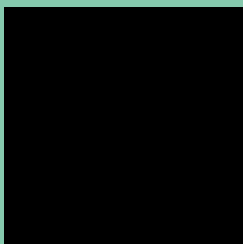
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

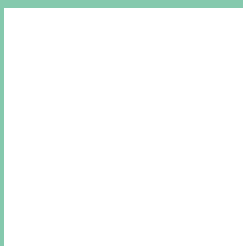
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1023, 49.7770, 47.1349

Background



This preview shows how black text looks on a background with the XYZ color 38.1023, 49.7770, 47.1349.



This preview shows how white text looks on a background with the XYZ color 38.1023, 49.7770,

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

38.1023, 49.7770, 47.1349

Protanopia

46.8561, 49.4365, 42.6699

Deuteranopia

50.2695, 49.2267, 48.4472



Tritanopia

42.4823, 49.8457, 69.0101

Trichromacy



Original Color

38.1023, 49.7770, 47.1349

Protanomaly

42.7119, 48.8594, 44.2254

Deuteranomaly

44.8757, 48.9248, 48.1525

Tritanomaly

40.7534, 49.8227, 60.2921

Monochromacy



Original Color

38.1023, 49.7770, 47.1349

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.0933, 45.8295, 47.8071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1023, 49.7770, 47.1349 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(133, 201, 173)` looks like.

```
.text, #text, p{  
    color:rgb(133, 201, 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(133, 201, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 201, 173) }
```

Border

The CSS property to change the border of an element to XYZ 38.1023, 49.7770, 47.1349 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(133, 201, 173) }
```


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

```
.border{ border-color:rgb(133, 201, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 201, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 201, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 201, 173);  
box-shadow:4px 4px 4px 4px rgb(133, 201,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1023, 49.7770, 47.1349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 201, 173) }
```

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

```
.background{ background-color: rgb(133,  
201, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor