

Converting Colors

XYZ(38.9165, 49.1460, 47.9925)

Have a look what the booklet for
XYZ(38.9165, 49.1460, 47.9925)
contains.

XYZ(38.9165, 49.1460, 47.9925)	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(38.9165, 49.1460,
47.9925)**

Conversions

Conversions Part 1

Format	Color
Hex	8DC6AF
RGB	141, 198, 175
RGB Percent	55%, 78%, 69%
CMY	0.4470, 0.2235, 0.3137
CMYK	0.29, 0.00, 0.12, 0.22
HSL	156°, 33%, 66%
HSV	156°, 29%, 78%
XYZ	38.9165, 49.1460, 47.9925
YIQ	178.3350, -26.5890, -19.2370

Conversions

Conversions Part 2

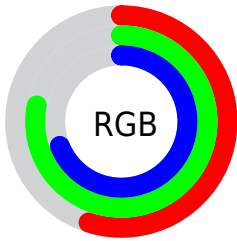
Format	Color
RYB	141, 177, 198
Decimal	9291439
CIELab	75.54, -23.30, 5.62
CIELCh	76, 23.967, 166.428
Yxy	49.1460, 0.2860, 0.3612
Android (android.graphics.Color)	4287481519 (0xFF8DC6AF)
YUV	178.3350, -1.6442, -32.7428
Hunter-Lab	70.1042, -23.5928, 8.4837

Details

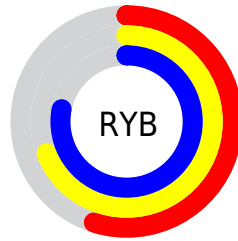
The XYZ color **38.9165, 49.1460, 47.9925** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.5162, 33.7372, 39.5533**, and the grayscale version is **42.5140, 44.7280, 48.7088**.

A 20% lighter version of the original color is **72.9488, 89.0253, 88.9401**, and **17.6682, 23.5004, 22.3437** is the 20% darker color. If you saturate the color by 10%, you get **35.0845, 47.2599, 43.8377**, and if you desaturate by 10%, it is **43.3995, 51.3650, 52.4223**.

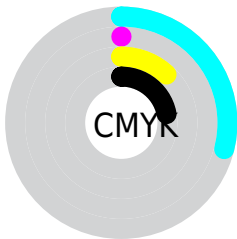
Distribution



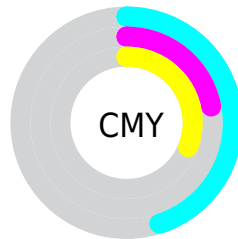
- Red (55%)
- Green (78%)
- Blue (69%)



- Red (55%)
- Yellow (69%)
- Blue (78%)



- Cyan (29%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)





- Cyan (45%)
- Magenta (22%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9165, 49.1460, 47.9925 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 38.9165, 49.1460, 47.9925 by changing the saturation by 10% instead.


 38.9165, 49.1460,
47.9925


 38.9165, 49.1460,
47.9925


332.7486,
383.3168, 395.2703


 26.8752, 34.7353,
33.4610


 72.8056, 88.9083,
88.5587

 17.6156, 23.4591,
22.2058


 95.3842, 115.0286,
115.4304

 10.7724, 14.9328,
13.8085


 122.2059,
145.8210, 147.2527

 5.9802, 8.7723,
7.8503

153.6360,
181.6698, 184.4439

 2.8736, 4.5929,
3.9129

190.0400,
222.9593, 227.4228

 1.0873, 2.0105,
1.5777

231.7832,

 0.0144, 0.6135,

270.0741, 276.6078

0.2748

279.2310,
323.3985, 332.4174

■ 0.0000, 0.0000,
0.0000

■ 38.9165, 49.1460,
47.9925

■ 38.9165, 49.1460,
47.9925

■ 35.0845, 47.2599,
43.8377

■ 43.3995, 51.3650,
52.4223

■ 31.8667, 45.6838,
39.9489

■ 48.5600, 53.9265,
57.1293

■ 29.2285, 44.4013,
36.3212

■ 54.4278, 56.8471,
62.1198

■ 27.1301, 43.3920,
32.9485

■ 61.0298, 60.1405,
67.3990

■ 25.5266, 42.6328,
29.8240

■ 68.3912, 63.8197,
72.9718

■ 24.3650, 42.0966,
26.9407

■ 74.7465, 66.9745,
78.7593

■ 23.5590, 41.7390,
24.2897

■ 75.8493, 67.4156,
84.5664

■ 23.4710, 41.7003,
23.9833

■ 77.0035, 67.8773,
90.6448

■ 78.2100, 68.3599,
96.9981

Harmonies

Analogous

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



40.8122, 49.1460, 38.4064



38.9165, 49.1460, 47.9925



39.0138, 49.1460, 60.7062

Triad

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



38.9165, 49.1460, 47.9925



49.1607, 49.1460, 80.4650



52.8278, 49.1460, 37.7218

Complementary

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



38.9165, 49.1460, 47.9925



39.5162, 33.7372, 39.5533

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.



55.3611, 49.1460, 46.9092



38.9165, 49.1460, 47.9925



53.1541, 49.1460, 72.1342

Square

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



38.9165, 49.1460, 47.9925



44.7427, 49.1460, 80.8784



55.4842, 49.1460, 59.4385



48.7379, 49.1460, 33.1407

Rectangle

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



38.9165, 49.1460, 47.9925



40.1923, 49.1460, 69.3318



55.4842, 49.1460, 59.4385



53.9007, 49.1460, 40.3020

Sweetspot

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



38.9179, 49.1480, 47.9936



85.6494, 95.3220, 100.8635



40.4685, 50.2859, 32.7734



18.0284, 20.2517, 21.3193



0.0000, 0.0000, 0.0000



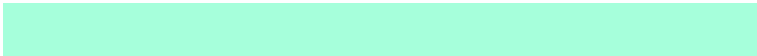
20.3446, 21.4041, 23.3091

Same Dimension

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



38.9179, 49.1480, 47.9936



64.2177, 84.7136, 79.9738



40.3045, 47.9925, 60.5676



10.7585, 11.9923, 12.6786



15.3064, 27.1349, 15.8241



0.7599, 1.2989, 0.9345

Inverse Universe

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



39.5162, 33.7372, 39.5533



65.4637, 52.6948, 62.4525



38.3383, 34.4110, 29.8215



10.8083, 10.7067, 11.9736



16.1244, 8.1993, 5.8650



0.7992, 0.4025, 0.4656

Previews

White Background



This preview shows how the XYZ color 38.9165, 49.1460, 47.9925 looks on a white background.

Color Contrast Check

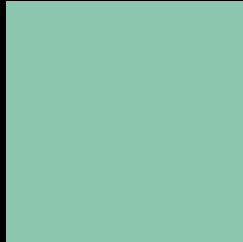
Large Text (above 18pt) WCAG AA × Fail

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 38.9165, 49.1460, 47.9925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

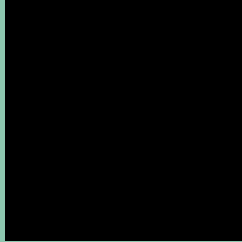
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9165, 49.1460, 47.9925

Background



This preview shows how black text looks on a background with the XYZ color 38.9165, 49.1460, 47.9925.



This preview shows how white text looks on a background with the XYZ color 38.9165, 49.1460,

47.9925.

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

38.9165, 49.1460, 47.9925

Protanopia

46.4092, 48.8625, 44.0312

Deuteranopia

49.7104, 48.6167, 49.4118



Tritanopia

42.7913, 49.0393, 67.5318

Trichromacy



Original Color

38.9165, 49.1460, 47.9925

Protanomaly

43.2197, 48.7659, 45.6629

Deuteranomaly

44.8862, 48.2772, 49.0722

Tritanomaly

41.2702, 49.0812, 60.1218

Monochromacy



Original Color

38.9165, 49.1460, 47.9925

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.8018, 45.8716, 48.2986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9165, 49.1460, 47.9925 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(141, 198, 175)` looks like.

```
.text, #text, p{  
    color:rgb(141, 198, 175)  
}
```

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(141, 198, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 198, 175) }
```

Border

The CSS property to change the border of an element to XYZ 38.9165, 49.1460, 47.9925 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(141, 198, 175) }
```


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

```
.border{ border-color:rgb(141, 198, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 198, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 198, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 198, 175);  
box-shadow:4px 4px 4px 4px rgb(141, 198,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9165, 49.1460, 47.9925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 198, 175) }
```

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

```
.background{ background-color: rgb(141,  
198, 175) }
```

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