

Converting Colors

XYZ(38.8013, 47.9364, 54.2213)

Have a look what the booklet for
XYZ(38.8013, 47.9364, 54.2213)
contains.

XYZ(38.8013, 47.9364, 54.2213)	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(38.8013, 47.9364,
54.2213)**

Conversions

Conversions Part 1

Format	Color
Hex	89C3BB
RGB	137, 195, 187
RGB Percent	54%, 76%, 73%
CMY	0.4627, 0.2353, 0.2667
CMYK	0.30, 0.00, 0.04, 0.24
HSL	172°, 33%, 65%
HSV	172°, 30%, 76%
XYZ	38.8013, 47.9364, 54.2213
YIQ	176.7460, -32.0000, -14.7840

Conversions

Conversions Part 2

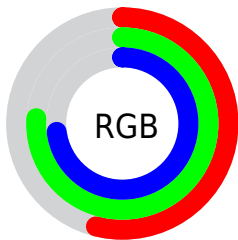
Format	Color
RYB	137, 168, 195
Decimal	9028539
CIELab	74.78, -20.40, -2.00
CIElCh	75, 20.498, 185.600
Yxy	47.9364, 0.2753, 0.3401
Android (android.graphics.Color)	4287218619 (0xFF89C3BB)
YUV	176.7460, 5.0552, -34.8572
Hunter-Lab	69.2361, -21.1282, 2.0331

Details

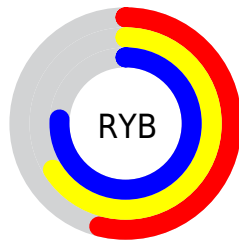
The XYZ color **38.8013, 47.9364, 54.2213** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.5639, 31.5392, 30.9506**, and the grayscale version is **41.6442, 43.8129, 47.7123**.

A 20% lighter version of the original color is **72.7263, 87.2983, 97.8112**, and **17.5743, 22.7023, 26.0100** is the 20% darker color. If you saturate the color by 10%, you get **35.6041, 46.3224, 52.5831**, and if you desaturate by 10%, it is **42.5844, 49.8543, 55.9172**.

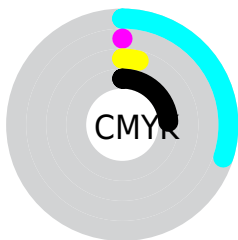
Distribution



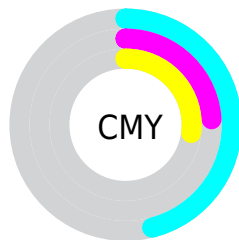
- Red (54%)
- Green (76%)
- Blue (73%)



- Red (54%)
- Yellow (66%)
- Blue (76%)



- Cyan (30%)
- Magenta (0%)
- Yellow (4%)
- Black (24%)





- Cyan (46%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8013, 47.9364, 54.2213 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 38.8013, 47.9364, 54.2213 by changing the saturation by 10% instead.

 38.8013, 47.9364,
54.2213

 38.8013, 47.9364,
54.2213


332.2667,
378.5400, 420.1518


 26.7852, 33.7765,
38.3842

 72.6307, 87.1097,
97.8588

 17.5477, 22.7220,
25.9769


 95.1747, 112.8919,
126.4963

 10.7235, 14.3883,
16.5807

 121.9587,
143.3170, 160.2376

 5.9471, 8.3913,
9.7772

153.3482,
178.7695, 199.5015

 2.8533, 4.3463,
5.1478

189.7083,
219.6336, 244.7062

 1.0767, 1.8691,
2.2740

231.4045,

 0.0055, 0.5297,

266.2938, 296.2705

0.7166

278.8022,
319.1344, 354.6129

■ 0.0000, 0.0000,
0.0000

■ 38.8013, 47.9364,
54.2213

■ 38.8013, 47.9364,
54.2213

■ 35.6041, 46.3224,
52.5831

■ 42.5844, 49.8543,
55.9172

■ 32.9575, 44.9903,
50.9976

■ 46.9780, 52.0851,
57.6689

■ 30.8287, 43.9246,
49.4643

■ 52.0105, 54.6446,
59.4790

■ 29.1798, 43.1058,
47.9811

■ 57.7072, 57.5458,
61.3488

■ 27.9678, 42.5114,
46.5459

■ 64.0919, 60.8011,
63.2796

■ 27.1417, 42.1155,
45.1562

■ 71.1874, 64.4222,
65.2726

■ 26.6058, 41.8685,
43.8073

■ 71.8764, 64.7400,
66.9948

■ 26.5931, 41.8627,
43.7731

■ 72.2058, 64.8718,
68.7294

■ 72.5408, 65.0058,
70.4935

Harmonies

Analogous

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



39.3477, 47.9364, 44.1736



38.8013, 47.9364, 54.2213



39.9847, 47.9364, 65.0646

Triad

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



38.8013, 47.9364, 54.2213



49.8585, 47.9364, 70.7062



48.5844, 47.9364, 35.6589

Complementary

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



38.8013, 47.9364, 54.2213



36.5639, 31.5392, 30.9506

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.



51.6354, 47.9364, 41.1446



38.8013, 47.9364, 54.2213



52.3986, 47.9364, 61.1321

Square

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



38.8013, 47.9364, 54.2213



46.2644, 47.9364, 75.3778



53.0659, 47.9364, 50.2190



44.8670, 47.9364, 34.3310

Rectangle

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



38.8013, 47.9364, 54.2213



41.6355, 47.9364, 71.0083



53.0659, 47.9364, 50.2190



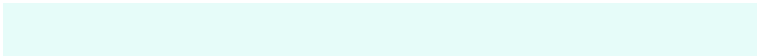
49.7282, 47.9364, 37.0374

Sweetspot

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



38.8027, 47.9383, 54.2224



84.6464, 93.5413, 103.4745



35.8328, 46.9218, 30.8362



18.2633, 20.3457, 22.5563



0.0000, 0.0000, 0.0000



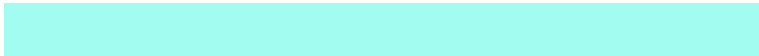
20.3446, 21.4041, 23.3091

Same Dimension

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



38.8027, 47.9383, 54.2224



65.4796, 83.8260, 95.0979



35.4400, 39.8035, 57.4468



10.3068, 11.4038, 12.6191



17.3065, 27.2167, 28.5707



0.7646, 1.1827, 1.3231

Inverse Universe

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



36.5639, 31.5392, 30.9506



60.8028, 49.5284, 46.4543



39.1305, 37.6254, 28.8680



10.1285, 10.1000, 10.7674



14.7739, 7.5993, 1.4555



0.6571, 0.3358, 0.1615

Previews

White Background



This preview shows how the XYZ color 38.8013, 47.9364, 54.2213 looks on a white background.

Color Contrast Check

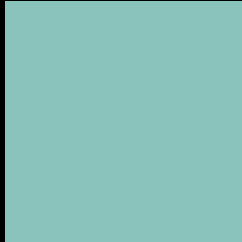
Large Text (above 18pt) WCAG AA × Fail

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 38.8013, 47.9364, 54.2213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

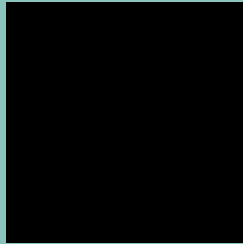
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8013, 47.9364, 54.2213

Background



This preview shows how black text looks on a background with the XYZ color 38.8013, 47.9364, 54.2213.

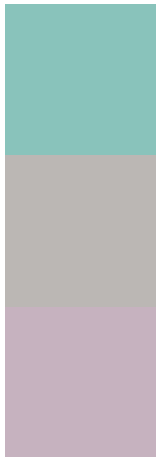


This preview shows how white text looks on a background with the XYZ color 38.8013, 47.9364,

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

38.8013, 47.9364, 54.2213

Protanopia

45.6652, 47.7271, 49.9854

Deuteranopia

48.6131, 47.6081, 55.9173



Tritanopia

41.2675, 47.9551, 66.1127

Trichromacy



Original Color

38.8013, 47.9364, 54.2213

Protanomaly

42.6798, 47.3946, 51.6983

Deuteranomaly

44.3392, 47.2288, 55.4943

Tritanomaly

40.3105, 47.8855, 61.7618

Monochromacy



Original Color

38.8013, 47.9364, 54.2213

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.3813, 45.2986, 50.3312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8013, 47.9364, 54.2213 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(137, 195, 187)` looks like.

```
.text, #text, p{  
    color:rgb(137, 195, 187)  
}
```

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(137, 195, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 195, 187) }
```

Border

The CSS property to change the border of an element to XYZ 38.8013, 47.9364, 54.2213 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(137, 195, 187) }
```


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

```
.border{ border-color:rgb(137, 195, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 195, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 195, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 195, 187); box-shadow:4px 4px 4px 4px rgb(137, 195, 187) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8013, 47.9364, 54.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 195, 187) }
```

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

```
.background{ background-color: rgb(137,  
195, 187) }
```

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