

Converting Colors

XYZ(38.8320, 54.0972, 47.9303)

Have a look what the booklet for
XYZ(38.8320, 54.0972, 47.9303)
contains.

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Color

**XYZ(38.8320, 54.0972,
47.9303)**

Conversions

Conversions Part 1

Format	Color
Hex	78D4AD
RGB	120, 212, 173
RGB Percent	47%, 83%, 68%
CMY	0.5294, 0.1686, 0.3216
CMYK	0.43, 0.00, 0.18, 0.17
HSL	155°, 52%, 65%
HSV	155°, 43%, 83%
XYZ	38.8320, 54.0972, 47.9303
YIQ	180.0460, -42.3130, -31.6330

Conversions

Conversions Part 2

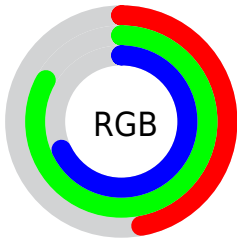
Format	Color
RYB	120, 178, 212
Decimal	7918765
CIELab	78.52, -36.40, 10.82
CIELCh	79, 37.970, 163.441
Yxy	54.0972, 0.2757, 0.3841
Android (android.graphics.Color)	4286108845 (0xFF78D4AD)
YUV	180.0460, -3.4737, -52.6603
Hunter-Lab	73.5508, -34.4727, 12.8485

Details

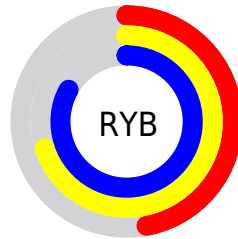
The XYZ color **38.8320, 54.0972, 47.9303** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.1276, 29.9344, 36.4658**, and the grayscale version is **43.4426, 45.7050, 49.7728**.

A 20% lighter version of the original color is **67.6681, 86.3515, 86.4998**, and **17.6225, 26.5844, 22.2917** is the 20% darker color. If you saturate the color by 10%, you get **35.3706, 52.4113, 43.3809**, and if you desaturate by 10%, it is **43.0058, 56.1464, 52.8208**.

Distribution



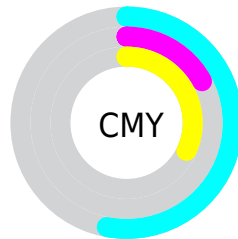
- Red (47%)
- Green (83%)
- Blue (68%)



- Red (47%)
- Yellow (70%)
- Blue (83%)



- Cyan (43%)
- Magenta (0%)
- Yellow (18%)
- Black (17%)





- Cyan (53%)
- Magenta (17%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8320, 54.0972, 47.9303 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 38.8320, 54.0972, 47.9303 by changing the saturation by 10% instead.


 38.8320, 54.0972,
47.9303


 38.8320, 54.0972,
47.9303


332.3952,
402.4806, 395.0165

 26.8092, 38.6794,
33.4121


 72.6773, 96.2169,
88.4651

 17.5658, 26.5104,
22.1686

 95.2305, 123.6877,
115.3187

 10.7365, 17.2059,
13.7814

 122.0246,
155.9448, 147.1213

 5.9559, 10.3814,
7.8317

153.4249,
193.3727, 184.2913

 2.8587, 5.6525,
3.9012

189.7967,
236.3559, 227.2473

 1.0795, 2.6350,
1.5713

231.5055,

 0.0079, 0.9443,

285.2787, 276.4078

0.2702

278.9165,
340.5254, 332.1914

■ 0.0000, 0.0000,
0.0000

■ 38.8320, 54.0972,
47.9303

■ 38.8320, 54.0972,
47.9303

■ 35.3706, 52.4113,
43.3809

■ 43.0058, 56.1464,
52.8208

■ 32.5724, 51.0594,
39.1609

■ 47.9281, 58.5732,
58.0564

■ 30.3892, 50.0179,
35.2629


■ 53.6378, 61.3988,
63.6457


■ 28.7635, 49.2575,
31.6781


■ 60.1698, 64.6412,
69.5959

■ 27.6261, 48.7426,
28.3965


■ 67.5567, 68.3171,
75.9137

 27.0654, 48.4973,
26.3889

 75.8293, 72.4423,
82.6059

 79.9123, 74.4001,
89.4401

 81.2509, 74.9355,
96.4889

 82.6561, 75.4976,
103.8886

Harmonies

Analogous

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



42.1524, 54.0972, 33.7801



38.8320, 54.0972, 47.9303



38.6643, 54.0972, 69.0008

Triad

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



38.8320, 54.0972, 47.9303



54.8324, 54.0972, 108.7082



62.5785, 54.0972, 34.8854

Complementary

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



38.8320, 54.0972, 47.9303



40.1276, 29.9344, 36.4658

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.



66.7062, 54.0972, 49.8412



38.8320, 54.0972, 47.9303



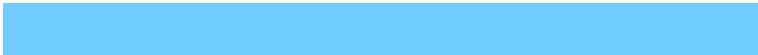
61.9501, 54.0972, 94.1403

Square

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



38.8320, 54.0972, 47.9303



47.4283, 54.0972, 107.8382



66.4656, 54.0972, 71.4334



55.6248, 54.0972, 27.5952

Rectangle

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



38.8320, 54.0972, 47.9303



40.3301, 54.0972, 84.6302



66.4656, 54.0972, 71.4334



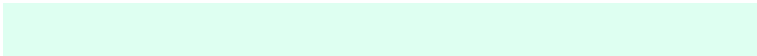
64.3713, 54.0972, 39.0018

Sweetspot

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



38.8335, 54.0994, 47.9315



81.7075, 93.3736, 96.8939



41.4059, 55.9052, 26.3784



17.0504, 19.7686, 20.3232



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.



38.8335, 54.0994, 47.9315



54.1269, 79.8005, 66.4536



41.6703, 52.8272, 70.2904



12.5593, 14.0147, 14.7596



16.7592, 29.9590, 16.5594



1.0518, 1.8234, 1.2147

Inverse Universe

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



40.1276, 29.9344, 36.4658



56.3463, 38.5165, 46.9075



38.0210, 30.3101, 21.6164



12.6395, 12.5073, 14.0420



17.9456, 9.1146, 7.0178



1.1233, 0.5661, 0.6386

Previews

White Background



This preview shows how the XYZ color 38.8320, 54.0972, 47.9303 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 38.8320, 54.0972, 47.9303 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

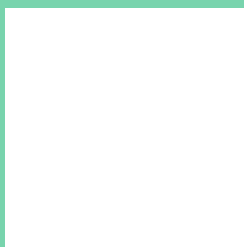
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8320, 54.0972, 47.9303

Background



This preview shows how black text looks on a background with the XYZ color 38.8320, 54.0972, 47.9303.



This preview shows how white text looks on a background with the XYZ color 38.8320, 54.0972,

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

38.8320, 54.0972, 47.9303

Protanopia

50.3094, 53.4808, 42.3216

Deuteranopia

54.2101, 53.0839, 49.5085



Tritanopia

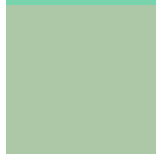
44.5319, 53.8421, 77.1527

Trichromacy



Original Color

38.8320, 54.0972, 47.9303



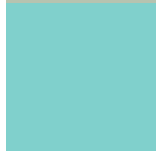
Protanomaly

44.8629, 52.9828, 44.4214



Deuteranomaly

46.6430, 52.1099, 48.6742



Tritanomaly

42.3570, 54.0606, 65.3290

Monochromacy



Original Color

38.8320, 54.0972, 47.9303



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.8860, 48.1427, 48.7325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8320, 54.0972, 47.9303 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(120, 212, 173)` looks like.

```
.text, #text, p{  
    color:rgb(120, 212, 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(120, 212, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 212, 173) }
```

Border

The CSS property to change the border of an element to XYZ 38.8320, 54.0972, 47.9303 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(120, 212, 173) }
```


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

```
.border{ border-color:rgb(120, 212, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 212, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 212, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 212, 173);  
box-shadow:4px 4px 4px 4px rgb(120, 212,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8320, 54.0972, 47.9303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 212, 173) }
```

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

```
.background{ background-color: rgb(120,  
212, 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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