

# Converting Colors

XYZ(42.5299, 52.2353, 49.2870)

Have a look what the booklet for  
XYZ(42.5299, 52.2353, 49.2870)  
contains.

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# Color

**XYZ(42.5739, 52.3839,  
49.4622)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BCAB1
RGB	155, 202, 177
RGB Percent	61%, 79%, 69%
CMY	0.3922, 0.2078, 0.3059
CMYK	0.23, 0.00, 0.12, 0.21
HSL	148°, 31%, 70%
HSV	148°, 23%, 79%
XYZ	42.5739, 52.3839, 49.4622
YIQ	185.0970, -19.9870, -17.7390

# Conversions

## Conversions Part 2

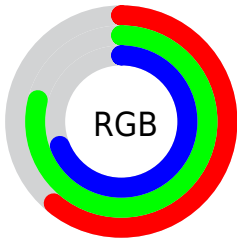
Format	Color
<a href="#">RYB</a>	<a href="#">155, 187, 202</a>
Decimal	<a href="#">10209969</a>
<a href="#">CIELab</a>	<a href="#">77.51, -20.49, 7.48</a>
<a href="#">CIELCh</a>	<a href="#">78, 21.817, 159.952</a>
<a href="#">Yxy</a>	<a href="#">52.3839, 0.2948, 0.3627</a>
Android (android.graphics.Color)	<a href="#">4288400049</a> ( <a href="#">0xFF9BCAB1</a> )
<a href="#">YUV</a>	<a href="#">185.0970, -3.9918, -26.3951</a>
<a href="#">Hunter-Lab</a>	<a href="#">72.3767, -21.6609, 10.1450</a>

# Details

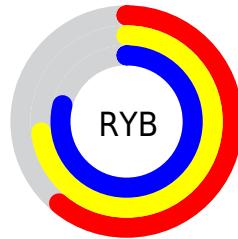
The XYZ color **42.5739, 52.3839, 49.4622** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.3185, 39.2958, 48.4313**, and the grayscale version is **46.1987, 48.6046, 52.9304**.

A 20% lighter version of the original color is **77.0463, 91.1048, 90.6150**, and **19.8215, 25.5186, 22.9497** is the 20% darker color. If you saturate the color by 10%, you get **37.9877, 50.1400, 43.8755**, and if you desaturate by 10%, it is **47.8959, 55.0003, 55.5258**.

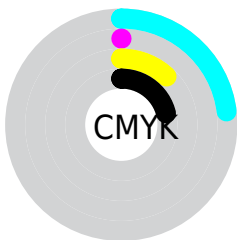
# Distribution



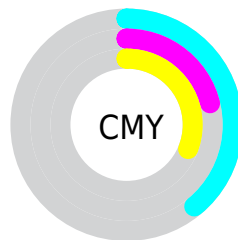
- Red (61%)
- Green (79%)
- Blue (69%)



- Red (61%)
- Yellow (73%)
- Blue (79%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)




- Cyan (39%)
- Magenta (21%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5739, 52.3839, 49.4622 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 42.5739, 52.3839, 49.4622 by changing the saturation by 10% instead.





 42.5739, 52.3839,  
49.4622


 42.5739, 52.3839,  
49.4622


347.8078,  
395.9169, 401.2337

 29.7440, 37.3112,  
34.6181


 78.3272, 93.6972,  
90.7656

 19.7915, 25.4485,  
23.0876


 101.9813,  
120.7065, 118.0620

 12.3509, 16.4115,  
14.4523


129.9742,  
152.4635, 150.3462

 7.0570, 9.8158,  
8.2936

162.6712,  
189.3525, 188.0368

 3.5444, 5.2770,  
4.1929

200.4377,  
231.7579, 231.5523

 1.4478, 2.4107,  
1.7318

243.6391,

 0.2899, 0.8314,

280.0642, 281.3113

0.3824

292.6407,  
334.6557, 337.7322

■ 0.0000, 0.0000,  
0.0000

■ 42.5739, 52.3839,  
49.4622

■ 42.5739, 52.3839,  
49.4622

■ 37.9877, 50.1400,  
43.8755

■ 47.8959, 55.0003,  
55.5258

■ 34.0987, 48.2446,  
38.7507

■ 53.9813, 57.9987,  
62.0741

■ 30.8715, 46.6810,  
34.0765

■ 60.8613, 61.3967,  
69.1191

■ 28.2654, 45.4286,  
29.8404

■ 68.5643, 65.2086,  
76.6713

■ 26.2352, 44.4642,  
26.0288

■ 76.7470, 69.2572,  
84.7235

■ 24.7288, 43.7613,  
22.6276

■ 78.3096, 69.8822,  
92.9521

■ 23.6840, 43.2882,  
19.6214

■ 79.9670, 70.5452,  
101.6798

■ 23.1666, 43.0610,  
17.8101

■ 80.4115, 70.7230,  
104.0205

# Harmonies

## Analogous

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



44.7759, 52.3839, 41.0648



42.5739, 52.3839, 49.4622



42.2430, 52.3839, 61.1333

# Triad

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



42.5739, 52.3839, 49.4622



51.1998, 52.3839, 83.0182



56.2478, 52.3839, 43.4230

# Complementary

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



42.5739, 52.3839, 49.4622



44.3185, 39.2958, 48.4313

# 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.



58.1847, 52.3839, 53.1282



42.5739, 52.3839, 49.4622



55.1636, 52.3839, 76.6920

# Square

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



42.5739, 52.3839, 49.4622



47.0689, 52.3839, 81.6711



57.7771, 52.3839, 65.3485



52.6126, 52.3839, 37.9334



# Rectangle

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



42.5739, 52.3839, 49.4622



43.1076, 52.3839, 69.3965



57.7771, 52.3839, 65.3485



57.1281, 52.3839, 46.2400

# Sweetspot

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



42.5753, 52.3861, 49.4634



87.2938, 96.1738, 100.7534



45.8766, 54.3212, 39.0782



18.5481, 20.5179, 21.4192



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

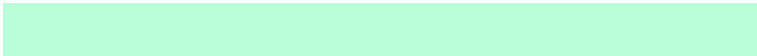


# Same Dimension

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



42.5753, 52.3861, 49.4634



67.9584, 86.6718, 78.8064



45.1159, 53.4023, 62.8417



11.2829, 12.6229, 13.0472



14.9510, 27.7257, 11.6928



0.8095, 1.4456, 0.8045



# Inverse Universe

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



44.3185, 39.2958, 48.4313



71.4262, 60.6265, 76.7504



42.1289, 38.4200, 36.9008



11.4575, 11.3118, 12.9440



17.4420, 8.7874, 10.0461



0.9380, 0.4686, 0.7191



# Previews

## White Background



This preview shows how the XYZ color 42.5739, 52.3839, 49.4622 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

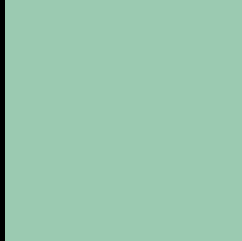
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.5739, 52.3839, 49.4622 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 42.5739, 52.3839, 49.4622**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.5739, 52.3839, 49.4622.



This preview shows how white text looks on a background with the XYZ color 42.5739, 52.3839,

49.4622.

# 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

42.5739, 52.3839, 49.4622

### Protanopia

49.3173, 51.9093, 45.9483

### Deuteranopia

52.9216, 51.7633, 50.9181



## Tritanopia

46.8768, 52.4180, 70.5978

# Trichromacy



## Original Color

42.5739, 52.3839, 49.4622

## Protanomaly

46.3631, 51.6680, 47.0645

## Deuteranomaly

48.6072, 51.7634, 50.6095

## Tritanomaly

45.1468, 52.3879, 62.3760

# Monochromacy



## Original Color

42.5739, 52.3839, 49.4622

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

44.5299, 49.6377, 51.4900

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5739, 52.3839, 49.4622 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(155, 202, 177)` looks like.

```
.text, #text, p{  
    color:rgb(155, 202, 177)  
}
```

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(155, 202, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 202, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5739, 52.3839, 49.4622 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(155, 202, 177) }
```



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

```
.border{ border-color:rgb(155, 202, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 202, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 202, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 202, 177);  
box-shadow:4px 4px 4px 4px rgb(155, 202,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5739, 52.3839, 49.4622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 202, 177) }
```

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

```
.background{ background-color: rgb(155,  
202, 177) }
```

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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