

Converting Colors

XYZ(40.9080, 51.4867, 50.4891)

Have a look what the booklet for
XYZ(40.9080, 51.4867, 50.4891)
contains.

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Color

**XYZ(40.9343, 51.5155,
50.4338)**

Conversions

Conversions Part 1

Format	Color
Hex	91CAB3
RGB	145, 202, 179
RGB Percent	57%, 79%, 70%
CMY	0.4314, 0.2078, 0.2980
CMYK	0.28, 0.00, 0.11, 0.21
HSL	156°, 35%, 68%
HSV	156°, 28%, 79%
XYZ	40.9343, 51.5155, 50.4338
YIQ	182.3350, -26.5890, -19.2370

Conversions

Conversions Part 2

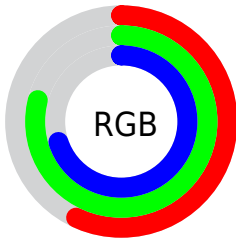
Format	Color
RYB	145, 181, 202
Decimal	9554611
CIELab	76.99, -23.23, 5.58
CIELCh	77, 23.892, 166.487
Yxy	51.5155, 0.2865, 0.3605
Android (android.graphics.Color)	4287744691 (0xFF91CAB3)
YUV	182.3350, -1.6442, -32.7428
Hunter-Lab	71.7743, -23.8029, 8.5806

Details

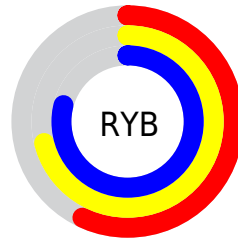
The XYZ color **40.9343, 51.5155, 50.4338** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.5523, 35.6359, 41.7364**, and the grayscale version is **44.6663, 46.9924, 51.1747**.

A 20% lighter version of the original color is **74.5748, 89.7975, 91.9994**, and **18.8700, 25.0133, 23.5722** is the 20% darker color. If you saturate the color by 10%, you get **36.8864, 49.5226, 46.0678**, and if you desaturate by 10%, it is **45.6667, 53.8584, 55.0885**.

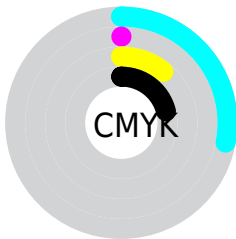
Distribution



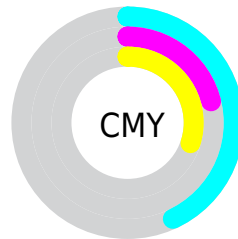
- Red (57%)
- Green (79%)
- Blue (70%)



- Red (57%)
- Yellow (71%)
- Blue (79%)



- Cyan (28%)
- Magenta (0%)
- Yellow (11%)
- Black (21%)





- Cyan (43%)
- Magenta (21%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9343, 51.5155, 50.4338 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 40.9343, 51.5155, 50.4338 by changing the saturation by 10% instead.


 40.9343, 51.5155,
50.4338


 40.9343, 51.5155,
50.4338

341.1132,
392.5633, 405.1435

 28.4552, 36.6190,
35.3846

 75.8595, 92.4163,
92.2202

 18.8113, 24.9127,
23.6734


 99.0363, 119.1894,
119.7945

 11.6372, 16.0120,
14.8816


126.5097,
150.6903, 152.3809

 6.5676, 9.5326,
8.5906

158.6450,
187.3031, 190.3979

 3.2371, 5.0902,
4.3820

195.8077,
229.4125, 234.2642

 1.2803, 2.3003,
1.8371

238.3631,

 0.1684, 0.7739,

277.4027, 284.3982

0.4523

286.6765,
331.6582, 341.2184

■ 0.0000, 0.0000,
0.0000

■ 40.9343, 51.5155,
50.4338

■ 40.9343, 51.5155,
50.4338

■ 36.8864, 49.5226,
46.0678

■ 45.6667, 53.8584,
55.0885

■ 33.4843, 47.8557,
41.9810

■ 51.1112, 56.5614,
60.0342

■ 30.6920, 46.4977,
38.1683

■ 57.2991, 59.6417,
65.2776

■ 28.4680, 45.4273,
34.6234

■ 64.2583, 63.1137,
70.8239

■ 26.7653, 44.6205,
31.3391

■ 72.0154, 66.9911,
76.6785

■ 25.5288, 44.0489,
28.3081

■ 76.3528, 69.0995,
82.6477

■ 24.6757, 43.6698,
25.5214

■ 77.5110, 69.5628,
88.7467

■ 24.5413, 43.6109,
25.0490

■ 78.7233, 70.0477,
95.1305

■ 79.9903, 70.5545,
101.8027

Harmonies

Analogous

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



42.8845, 51.5155, 40.5370



40.9343, 51.5155, 50.4338



41.0388, 51.5155, 63.5134

Triad

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



40.9343, 51.5155, 50.4338



51.4911, 51.5155, 83.7364



55.2434, 51.5155, 39.8004

Complementary

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



40.9343, 51.5155, 50.4338



41.5523, 35.6359, 41.7364

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.



57.8489, 51.5155, 49.2718



40.9343, 51.5155, 50.4338



55.5923, 51.5155, 75.1892

Square

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



40.9343, 51.5155, 50.4338



46.9463, 51.5155, 84.1772



57.9804, 51.5155, 62.1575



51.0385, 51.5155, 35.0717

Rectangle

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



40.9343, 51.5155, 50.4338



42.2562, 51.5155, 72.3634



57.9804, 51.5155, 62.1575



56.3464, 51.5155, 42.4626

Sweetspot

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



40.9357, 51.5176, 50.4350



86.6417, 95.8152, 101.7356



42.5417, 52.6951, 34.7179



18.2264, 20.3501, 21.4952



0.0000, 0.0000, 0.0000



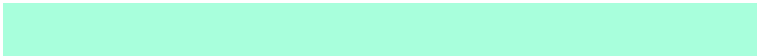
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9357, 51.5176, 50.4350



64.8924, 85.0458, 80.7145



42.3625, 50.3323, 63.3620



11.3442, 12.6474, 13.3698



15.8364, 28.0799, 16.3554



0.8539, 1.4634, 1.0384

Inverse Universe

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



41.5523, 35.6359, 41.7364



66.1118, 53.7017, 63.5603



40.3361, 36.3352, 31.6764



11.3968, 11.2874, 12.6241



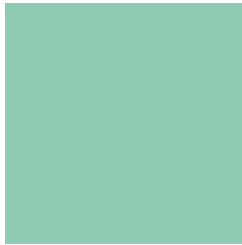
16.6832, 8.4839, 6.0506



0.8979, 0.4526, 0.5084

Previews

White Background



This preview shows how the XYZ color 40.9343, 51.5155, 50.4338 looks on a white background.

Color Contrast Check

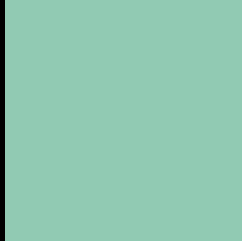
Large Text (above 18pt) WCAG AA × Fail

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 40.9343, 51.5155, 50.4338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

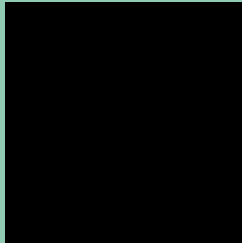
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9343, 51.5155, 50.4338

Background



This preview shows how black text looks on a background with the XYZ color 40.9343, 51.5155, 50.4338.



This preview shows how white text looks on a background with the XYZ color 40.9343, 51.5155,

50.4338.

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

40.9343, 51.5155, 50.4338

Protanopia

48.6699, 51.2441, 46.3556

Deuteranopia

52.0591, 50.9875, 51.8975



Tritanopia

44.9254, 51.4120, 70.5065

Trichromacy



Original Color

40.9343, 51.5155, 50.4338

Protanomaly

45.3897, 51.1437, 48.0369

Deuteranomaly

47.1067, 50.6434, 51.5483

Tritanomaly

43.3605, 51.4535, 62.9045

Monochromacy



Original Color

40.9343, 51.5155, 50.4338

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.9003, 48.1664, 50.7520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9343, 51.5155, 50.4338 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(145, 202, 179)` looks like.

```
.text, #text, p{  
    color:rgb(145, 202, 179)  
}
```

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(145, 202, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 202, 179) }
```

Border

The CSS property to change the border of an element to XYZ 40.9343, 51.5155, 50.4338 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(145, 202, 179) }
```


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

```
.border{ border-color:rgb(145, 202, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 202, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 202, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 202, 179);  
box-shadow:4px 4px 4px 4px rgb(145, 202,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9343, 51.5155, 50.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 202, 179) }
```

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

```
.background{ background-color: rgb(145,  
202, 179) }
```

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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