

Converting Colors

XYZ(39.0271, 50.1849, 55.1898)

Have a look what the booklet for
XYZ(39.0271, 50.1849, 55.1898)
contains.

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Color

**XYZ(39.0170, 50.0713,
55.1853)**

Conversions

Conversions Part 1

Format	Color
Hex	81C9BC
RGB	129, 201, 188
RGB Percent	51%, 79%, 74%
CMY	0.4941, 0.2117, 0.2627
CMYK	0.36, 0.00, 0.06, 0.21
HSL	169°, 40%, 65%
HSV	169°, 36%, 79%
XYZ	39.0170, 50.0713, 55.1853
YIQ	177.9900, -38.7390, -19.3070

Conversions

Conversions Part 2

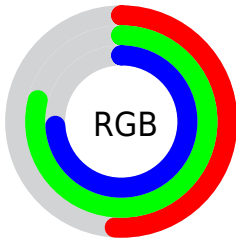
Format	Color
R_{YB}	129, 169, 201
Decimal	8505788
CIE _{Lab}	76.11, -25.44, -0.64
CIE _{LCh}	76, 25.447, 181.451
Yxy	50.0713, 0.2704, 0.3471
Android (android.graphics.Color)	4286695868 (0xFF81C9BC)
YUV	177.9900, 4.9349, -42.9642
Hunter-Lab	70.7611, -25.4086, 3.2935

Details

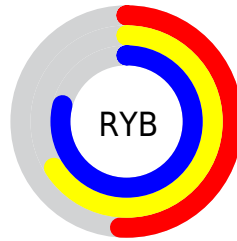
The XYZ color **39.0170, 50.0713, 55.1853** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.8218, 30.0723, 29.4569**, and the grayscale version is **42.3022, 44.5052, 48.4662**.

A 20% lighter version of the original color is **71.8563, 88.2420, 98.8331**, and **17.7085, 24.1126, 26.6425** is the 20% darker color. If you saturate the color by 10%, you get **35.8729, 48.4964, 53.0220**, and if you desaturate by 10%, it is **42.7744, 51.9638, 57.4308**.

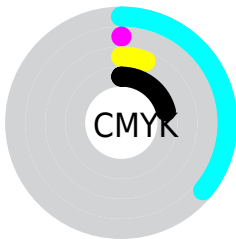
Distribution



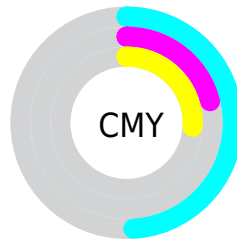
- Red (51%)
- Green (79%)
- Blue (74%)



- Red (51%)
- Yellow (66%)
- Blue (79%)



- Cyan (36%)
- Magenta (0%)
- Yellow (6%)
- Black (21%)



- Cyan (49%)
- Magenta (21%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0170, 50.0713, 55.1853 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 39.0170, 50.0713, 55.1853 by changing the saturation by 10% instead.

■ 39.0170, 50.0713,
55.1853

■ 39.0170, 50.0713,
55.1853

333.1687,
386.9447, 423.9157

■ 26.9537, 35.4701,
39.1505

■ 72.9582, 90.2805,
99.2863

■ 17.6749, 24.0252,
26.5681

■ 95.5668, 116.6573,
128.1895

■ 10.8151, 15.3523,
17.0195

■ 122.4213,
147.7280, 162.2193

■ 6.0090, 9.0670,
10.0863

153.8870,
183.8770, 201.7942

■ 2.8913, 4.7849,
5.3499

190.3292,
225.4888, 247.3328

■ 1.0965, 2.1216,
2.3917

232.1133,

■ 0.0222, 0.6767,

272.9478, 299.2535

0.7819

279.6047,
326.6383, 357.9750

■ 0.0000, 0.0000,
0.0000

■ 39.0170, 50.0713,
55.1853

■ 39.0170, 50.0713,
55.1853

■ 35.8729, 48.4964,
53.0220

■ 42.7744, 51.9638,
57.4308

■ 33.3024, 47.2147,
50.9355

■ 47.1732, 54.1846,
59.7571

■ 31.2676, 46.2082,
48.9247

■ 52.2453, 56.7512,
62.1669

■ 29.7246, 45.4540,
46.9871

■ 58.0189, 59.6784,
64.6621

■ 28.6220, 44.9258,
45.1201

■ 64.5207, 62.9797,
67.2442

■ 27.8961, 44.5907,
43.3202

■ 71.7759, 66.6683,
69.9147

■ 27.6523, 44.4810,
42.5853

■ 74.1899, 67.8600,
72.4122

■ 74.6571, 68.0469,
74.8725

■ 75.1347, 68.2380,
77.3874

Harmonies

Analogous

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



39.9972, 50.0713, 42.9289



39.0170, 50.0713, 55.1853



40.2039, 50.0713, 69.3682

Triad

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



39.0170, 50.0713, 55.1853



52.5273, 50.0713, 80.0716



52.0999, 50.0713, 34.5867

Complementary

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



39.0170, 50.0713, 55.1853



36.8218, 30.0723, 29.4569

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.



55.8323, 50.0713, 41.9565



39.0170, 50.0713, 55.1853



56.0904, 50.0713, 68.0276

Square

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



39.0170, 50.0713, 55.1853



47.8233, 50.0713, 85.1386



57.3378, 50.0713, 53.8583



47.3600, 50.0713, 32.2928

Rectangle

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



39.0170, 50.0713, 55.1853



42.1133, 50.0713, 77.6908



57.3378, 50.0713, 53.8583



53.5248, 50.0713, 36.4843

Sweetspot

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



39.0184, 50.0733, 55.1864



84.6678, 94.7408, 104.2131



36.0403, 49.1289, 28.3530



17.8705, 20.1510, 22.1849



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.



39.0184, 50.0733, 55.1864



62.5230, 83.5813, 91.5855



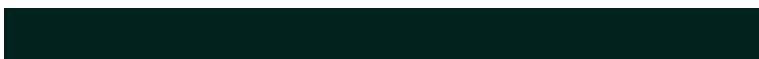
35.5576, 40.8063, 61.2631



10.8614, 12.0334, 13.2201



17.4169, 27.9791, 26.9377



0.8467, 1.3336, 1.3917

Inverse Universe

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



36.8218, 30.0723, 29.4569



58.2243, 44.3400, 41.1592



39.2473, 36.3956, 25.7262



10.7108, 10.6677, 11.4603



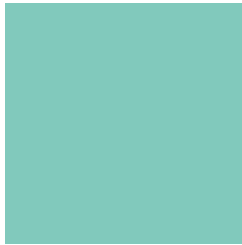
15.3729, 7.8987, 1.9076



0.7524, 0.3838, 0.2196

Previews

White Background



This preview shows how the XYZ color 39.0170, 50.0713, 55.1853 looks on a white background.

Color Contrast Check

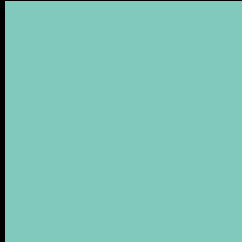
Large Text (above 18pt) WCAG AA × Fail

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 39.0170, 50.0713, 55.1853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

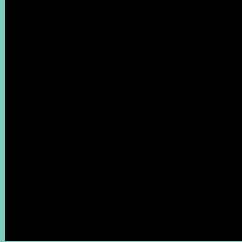
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

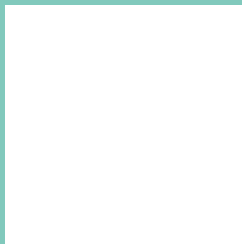
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.0170, 50.0713, 55.1853

Background



This preview shows how black text looks on a background with the XYZ color 39.0170, 50.0713, 55.1853.

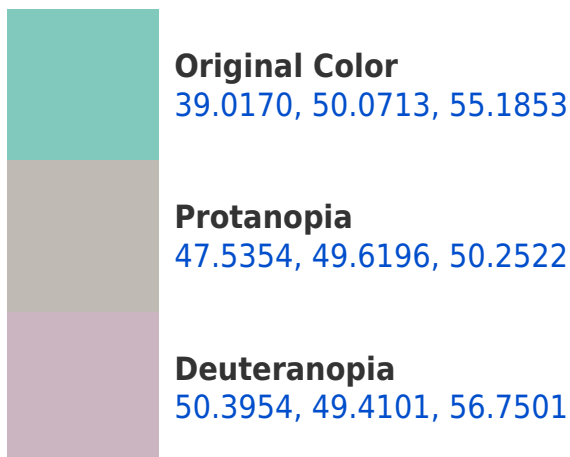


This preview shows how white text looks on a background with the XYZ color 39.0170, 50.0713,

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

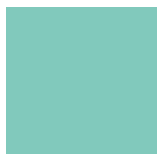




Tritanopia

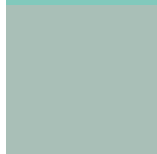
41.9682, 49.8875, 70.3681

Trichromacy



Original Color

39.0170, 50.0713, 55.1853



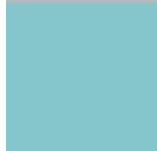
Protanomaly

43.5402, 49.1155, 51.9852



Deuteranomaly

45.0664, 48.8420, 56.3424



Tritanomaly

40.7660, 49.7343, 64.5778

Monochromacy



Original Color

39.0170, 50.0713, 55.1853



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.4996, 45.9688, 50.9943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0170, 50.0713, 55.1853 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(129, 201, 188)` looks like.

```
.text, #text, p{  
    color:rgb(129, 201, 188)  
}
```

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(129, 201, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 201, 188) }
```

Border

The CSS property to change the border of an element to XYZ 39.0170, 50.0713, 55.1853 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(129, 201, 188) }
```


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

```
.border{ border-color:rgb(129, 201, 188) }
```

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

Here you see how a box with a 4 pixel rgb(129, 201, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 201, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 201, 188);  
box-shadow:4px 4px 4px 4px rgb(129, 201,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0170, 50.0713, 55.1853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 201, 188) }
```

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

```
.background{ background-color: rgb(129,  
201, 188) }
```

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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