

Converting Colors

XYZ(29.7291, 50.6047, 80.5901)

Have a look what the booklet for
XYZ(29.7291, 50.6047, 80.5901)
contains.

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Color

**XYZ(38.6780, 55.1718,
81.2837)**

Conversions

Conversions Part 1

Format	Color
Hex	00D9E3
RGB	0, 217, 227
RGB Percent	0%, 85%, 89%
CMY	0.9998, 0.1490, 0.1098
CMYK	1.00, 0.04, 0.00, 0.11
HSL	183°, 100%, 45%
HSV	183°, 100%, 89%
XYZ	38.6780, 55.1718, 81.2837
YIQ	153.2570, -132.5420, -42.8940

Conversions

Conversions Part 2

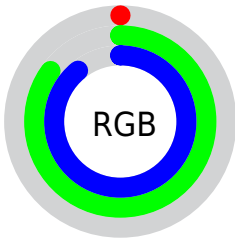
Format	Color
RYB	0, 111, 227
Decimal	55779
CIELab	79.14, -39.57, -17.40
CIELCh	79, 43.222, 203.734
Yxy	55.1718, 0.2208, 0.3150
Android (android.graphics.Color)	4278245859 (0xFF00D9E3)
YUV	153.2570, 36.3553, -134.4064
Hunter-Lab	74.2777, -37.0372, -12.8879

Details

The XYZ color **38.6780, 55.1718, 81.2837** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.7885, 16.5496, 1.5206**, and the grayscale version is **30.2864, 31.8637, 34.6995**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.1913, 28.4683, 43.4605** is the 20% darker color. If you saturate the color by 10%, you get **38.6783, 55.1721, 81.2848**, and if you desaturate by 10%, it is **39.2854, 55.8699, 81.3875**.

Distribution



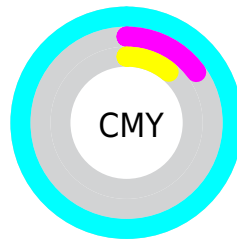
- Red (0%)
- Green (85%)
- Blue (89%)



- Red (0%)
- Yellow (44%)
- Blue (89%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6780, 55.1718, 81.2837 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 38.6780, 55.1718, 81.2837 by changing the saturation by 10% instead.


 38.6780, 55.1718,
81.2837


 38.6780, 55.1718,
81.2837


331.7503,
406.5628, 519.0689


 26.6889, 39.5393,
60.2429


 72.4434, 97.7926,
136.9967


 17.4751, 27.1795,
43.1879


 94.9504, 125.5497,
172.5060


 10.6712, 17.7081,
29.7001


 121.6941,
158.1171, 213.6752

 5.9119, 10.7406,
19.3609

 153.0398,
195.8793, 260.9229

 2.8317, 5.8927,
11.7519

 189.3530,
239.2205, 314.6675

 1.0654, 2.7799,
6.4545

230.9989,

 0.0000, 1.0180,

288.5253, 375.3278

3.0501

278.3429,
344.1779, 443.3220

■ 0.0000, 0.0000,
1.1203

■ 0.0000, 0.0000,
0.0000

■ 38.6780, 55.1718,
81.2837

■ 38.6780, 55.1718,
81.2837

■ 38.6783, 55.1721,
81.2848

■ 39.2854, 55.8699,
81.3875

■ 40.3002, 56.7792,
81.5095

■ 41.8544, 57.9690,
81.6572

■ 44.0232, 59.4779,
81.8342

■ 46.8698, 61.3385,
82.0433

■ 50.4495, 63.5794,
82.2871

■ 54.8121, 66.2263,
82.5681

■ 60.0027, 69.3023,
82.8883

■ 66.0634, 72.8293,
83.2496

Harmonies

Analogous

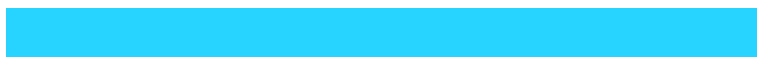
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.6239, 55.1718, 55.0371



38.6780, 55.1718, 81.2837



43.2297, 55.1718, 107.0696

Triad

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



38.6780, 55.1718, 81.2837



66.9761, 55.1718, 92.7685



54.2699, 55.1718, 24.1541

Complementary

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



38.6780, 55.1718, 81.2837



31.7885, 16.5496, 1.5206

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.



62.8716, 55.1718, 29.3437



38.6780, 55.1718, 81.2837



70.7079, 55.1718, 65.4064

Square

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



38.6780, 55.1718, 81.2837



59.3997, 55.1718, 114.8713



69.1292, 55.1718, 42.9155



46.0447, 55.1718, 26.2449

Rectangle

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



38.6780, 55.1718, 81.2837



47.9305, 55.1718, 118.1608



69.1292, 55.1718, 42.9155



57.2220, 55.1718, 25.0458

Sweetspot

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



38.6797, 55.1738, 81.2850



71.2193, 86.1327, 107.4794



27.5120, 54.9560, 9.3765



14.7027, 18.1098, 22.9706



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.



38.6797, 55.1738, 81.2850



50.3302, 71.7804, 105.8101



19.0165, 15.8474, 74.7306



14.7502, 16.2218, 18.4980



22.5804, 32.2229, 47.4127



1.6856, 2.4150, 3.5093

Inverse Universe

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



44.2044, 21.3423, 67.4374



57.5336, 27.7774, 87.7307



38.5282, 30.0291, 3.7672



14.9662, 14.6037, 18.0226



25.7911, 12.4506, 39.3903



1.9144, 0.9235, 2.9558

Previews

White Background



This preview shows how the XYZ color 38.6780, 55.1718, 81.2837 looks on a white background.

Color Contrast Check

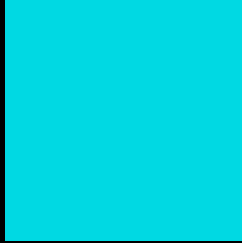
Large Text (above 18pt) WCAG AA × Fail

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 38.6780, 55.1718, 81.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

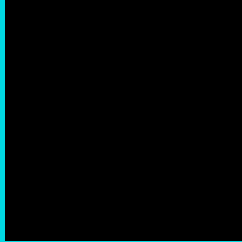
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

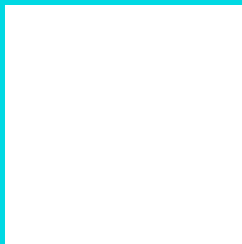
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6780, 55.1718, 81.2837

Background



This preview shows how black text looks on a background with the XYZ color 38.6780, 55.1718, 81.2837.

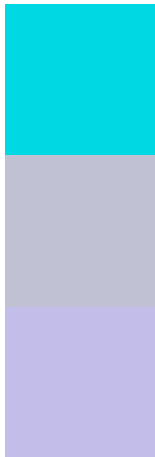


This preview shows how white text looks on a background with the XYZ color 38.6780, 55.1718,

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

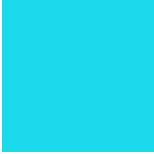
38.6780, 55.1718, 81.2837

Protanopia

52.9459, 54.2309, 69.9644

Deuteranopia

55.3696, 54.1794, 84.6302



Tritanopia

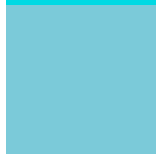
39.8591, 55.2853, 86.4122

Trichromacy



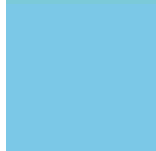
Original Color

38.6780, 55.1718, 81.2837



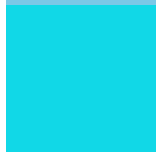
Protanomaly

41.8133, 51.4618, 73.3750



Deuteranomaly

43.2465, 51.2890, 83.2217



Tritanomaly

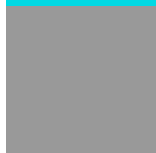
39.2108, 55.0004, 84.1508

Monochromacy



Original Color

38.6780, 55.1718, 81.2837



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.6933, 36.8873, 48.7877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6780, 55.1718, 81.2837 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(0, 217, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 227)  
}
```

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(0, 217, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 227) }
```

Border

The CSS property to change the border of an element to XYZ 38.6780, 55.1718, 81.2837 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(0, 217, 227) }
```


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

```
.border{ border-color:rgb(0, 217, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 217, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 217, 227); box-shadow:4px 4px 4px 4px rgb(0, 217, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6780, 55.1718, 81.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 227) }
```

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

```
.background{ background-color: rgb(0, 217,  
227) }
```

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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