

Converting Colors

XYZ(38.8195, 53.3920, 87.6900)

Have a look what the booklet for
XYZ(38.8195, 53.3920, 87.6900)
contains.

| | |
|--|----|
| XYZ(38.6838, 53.1431, 87.5757) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(38.6838, 53.1431,
87.5757)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00D4EC |
| RGB | 0, 212, 236 |
| RGB Percent | 0%, 83%, 93% |
| CMY | 0.9998, 0.1686, 0.0745 |
| CMYK | 1.00, 0.10, 0.00, 0.07 |
| HSL | 186°, 100%, 46% |
| HSV | 186°, 100%, 93% |
| XYZ | 38.6838, 53.1431, 87.5757 |
| YIQ | 151.3480, -134.0560, -37.4800 |

Conversions

Conversions Part 2

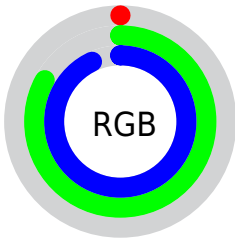
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 112, 236 |
| Decimal | 54508 |
| CIELab | 77.96, -34.46, -24.00 |
| CIELCh | 78, 41.991, 214.854 |
| Yxy | 53.1431, 0.2156, 0.2962 |
| Android (android.graphics.Color) | 4278244588 (0xFF00D4EC) |
| YUV | 151.3480, 41.7334, -132.7322 |
| Hunter-Lab | 72.8993, -32.8533, -20.1970 |

Details

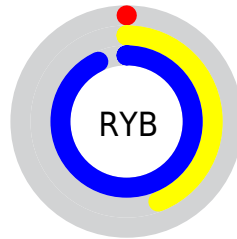
The XYZ color **38.6838, 53.1431, 87.5757** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **34.9208, 18.4890, 1.7300**, and the grayscale version is **29.4410, 30.9742, 33.7309**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.2952, 27.4092, 47.4009** is the 20% darker color. If you saturate the color by 10%, you get **38.6831, 53.1414, 87.5764**, and if you desaturate by 10%, it is **39.6580, 54.5439, 87.7957**.

Distribution



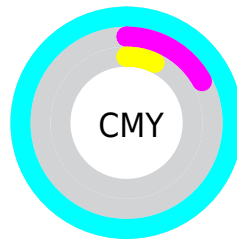
- Red (0%)
- Green (83%)
- Blue (93%)



- Red (0%)
- Yellow (44%)
- Blue (93%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (17%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6838, 53.1431, 87.5757 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 38.6838, 53.1431, 87.5757 by changing the saturation by 10% instead.

 38.6838, 53.1431,
87.5757


 38.6838, 53.1431,
87.5757


331.7746,
398.8339, 540.4780


 26.6935, 37.9170,
65.4094


 72.4522, 94.8149,
145.8722


 17.4785, 25.9183,
47.3397


 94.9609, 122.0294,
182.8395


 10.6737, 16.7625,
32.9480


 121.7065,
154.0089, 225.5776

 5.9135, 10.0653,
21.8158

 153.0543,
191.1376, 274.5049

 2.8327, 5.4423,
13.5246

 189.3697,
233.8001, 330.0401

 1.0659, 2.5090,
7.6558

231.0179,

 0.0000, 0.8812,

282.3807, 392.6017

3.7909

278.3645,
337.2639, 462.6081

■ 0.0000, 0.0000,
1.5114

■ 0.0000, 0.0000,
0.2264

■ 38.6838, 53.1431,
87.5757

■ 38.6838, 53.1431,
87.5757

■ 38.6831, 53.1414,
87.5764

■ 39.6580, 54.5439,
87.7957

■ 41.0873, 56.1915,
88.0384

■ 43.1139, 58.1604,
88.3117

■ 45.8207, 60.4933,
88.6193

■ 49.2774, 63.2264,
88.9646

■ 53.5451, 66.3910,
89.3505

■ 58.6782, 70.0153,
89.7796

■ 64.7269, 74.1253,
90.2541

■ 71.7370, 78.7446,
90.7762

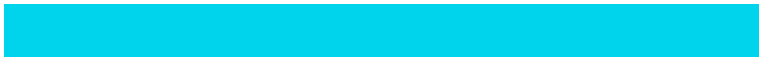
Harmonies

Analogous

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



36.4175, 53.1431, 61.7551



38.6838, 53.1431, 87.5757



44.1245, 53.1431, 108.9005

Triad

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



38.6838, 53.1431, 87.5757



66.1099, 53.1431, 79.1675



49.1932, 53.1431, 23.6118

Complementary

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



38.6838, 53.1431, 87.5757



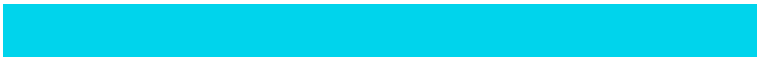
34.9208, 18.4890, 1.7300

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.



57.4856, 53.1431, 25.9419



38.6838, 53.1431, 87.5757



67.8390, 53.1431, 54.1395

Square

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



38.6838, 53.1431, 87.5757



60.0323, 53.1431, 103.1995



64.5320, 53.1431, 35.7703



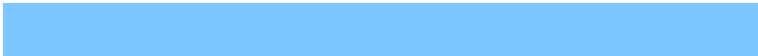
42.0536, 53.1431, 28.2366

Rectangle

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



38.6838, 53.1431, 87.5757



49.1147, 53.1431, 115.2439



64.5320, 53.1431, 35.7703



51.9334, 53.1431, 23.6228

Sweetspot

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



38.6855, 53.1450, 87.5770



69.8528, 83.3997, 107.0239



30.1580, 60.0566, 10.8481



14.3705, 17.4454, 22.8598



0.0000, 0.0000, 0.0000



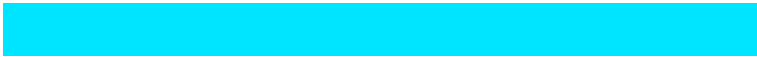
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6855, 53.1450, 87.5770



46.0867, 63.2933, 104.3956



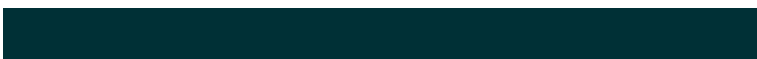
19.1831, 14.1402, 81.0762



15.3792, 16.8448, 19.3630



21.3780, 29.4030, 48.2916



1.7165, 2.3845, 3.8047

Inverse Universe

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



46.4772, 22.5881, 64.1996



55.3916, 26.9206, 76.4514



44.2103, 37.0681, 4.8265



15.6449, 15.2858, 18.6815



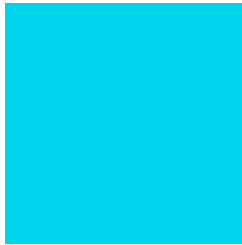
25.6459, 12.4611, 35.5324



2.0329, 0.9861, 2.8907

Previews

White Background



This preview shows how the XYZ color 38.6838, 53.1431, 87.5757 looks on a white background.

Color Contrast Check

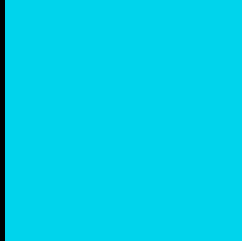
Large Text (above 18pt) WCAG AA × Fail

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 38.6838, 53.1431, 87.5757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

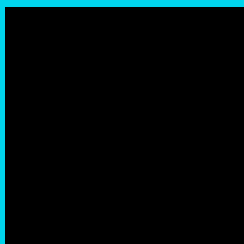
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

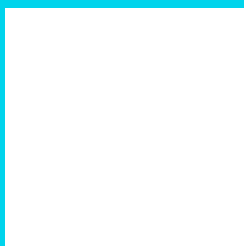
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6838, 53.1431, 87.5757

Background



This preview shows how black text looks on a background with the XYZ color 38.6838, 53.1431, 87.5757.



This preview shows how white text looks on a background with the XYZ color 38.6838, 53.1431,

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

38.6838, 53.1431, 87.5757

Protanopia

51.7143, 52.4865, 75.8119

Deuteranopia

53.6276, 52.5077, 90.5276



Tritanopia

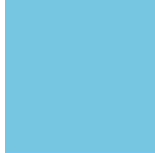
38.0772, 53.3017, 83.1443

Trichromacy



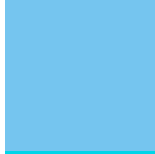
Original Color

38.6838, 53.1431, 87.5757



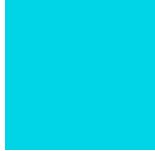
Protanomaly

41.3928, 49.7307, 79.3689



Deuteranomaly

42.8824, 49.9464, 89.0418



Tritanomaly

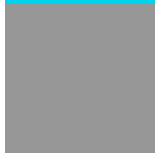
38.3597, 53.4147, 84.6322

Monochromacy



Original Color

38.6838, 53.1431, 87.5757



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

28.2109, 35.7513, 49.6698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6838, 53.1431, 87.5757 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, 212, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 236)  
}
```

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, 212, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 236) }
```

Border

The CSS property to change the border of an element to XYZ 38.6838, 53.1431, 87.5757 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, 212, 236) }
```


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

```
.border{ border-color:rgb(0, 212, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6838, 53.1431, 87.5757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 236) }
```

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

```
.background{ background-color: rgb(0, 212,  
236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor