

Converting Colors

XYZ(38.1533, 51.8139, 88.2259)

Have a look what the booklet for
XYZ(38.1533, 51.8139, 88.2259)
contains.

XYZ(38.0865, 51.7154, 88.0955)	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(38.0865, 51.7154,
88.0955)**

Conversions

Conversions Part 1

Format	Color
Hex	00D1ED
RGB	0, 209, 237
RGB Percent	0%, 82%, 93%
CMY	0.9998, 0.1804, 0.0706
CMYK	1.00, 0.12, 0.00, 0.07
HSL	187°, 100%, 46%
HSV	187°, 100%, 93%
XYZ	38.0865, 51.7154, 88.0955
YIQ	149.7010, -133.5520, -35.6000

Conversions

Conversions Part 2

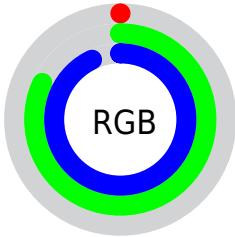
Format	Color
RYB	0, 111, 237
Decimal	53741
CIELab	77.11, -32.72, -25.83
CIELCh	77, 41.683, 218.290
Yxy	51.7154, 0.2141, 0.2907
Android (android.graphics.Color)	4278243821 (0xFF00D1ED)
YUV	149.7010, 43.0384, -131.2878
Hunter-Lab	71.9134, -31.3120, -22.2921

Details

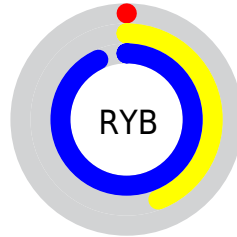
The XYZ color **38.0865, 51.7154, 88.0955** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **35.3424, 18.8381, 1.7751**, and the grayscale version is **28.7350, 30.2314, 32.9220**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.8961, 26.4474, 47.7723** is the 20% darker color. If you saturate the color by 10%, you get **38.0857, 51.7135, 88.0962**, and if you desaturate by 10%, it is **39.1516, 53.2945, 88.3452**.

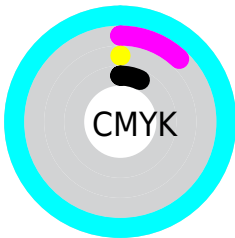
Distribution



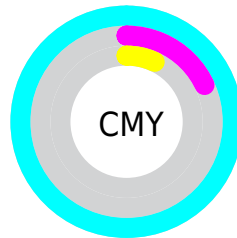
- Red (0%)
- Green (82%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0865, 51.7154, 88.0955 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 38.0865, 51.7154, 88.0955 by changing the saturation by 10% instead.


 38.0865, 51.7154,
88.0955


 38.0865, 51.7154,
88.0955


329.2653,
393.3369, 542.2253


 26.2273, 36.7783,
65.8374

 71.5437, 92.7114,
146.6024


 17.1274, 25.0359,
47.6848

 93.8725, 119.5390,
183.6883

 10.4212, 16.1038,
33.2191


 120.4219,
151.0990, 226.5538

 5.7435, 9.5976,
22.0218

 151.5573,
187.7756, 275.6176

 2.7289, 5.1330,
13.6745

 187.6440,
229.9533, 331.2980

 1.0121, 2.3255,
7.7585

229.0473,

 0.0000, 0.7872,

278.0165, 394.0138

3.8552

276.1326,
332.3496, 464.1834

■ 0.0000, 0.0000,
1.5463

■ 0.0000, 0.0000,
0.2520

■ 38.0865, 51.7154,
88.0955

■ 38.0865, 51.7154,
88.0955

■ 38.0857, 51.7135,
88.0962

■ 39.1516, 53.2945,
88.3452

■ 40.6795, 55.1293,
88.6188

■ 42.8137, 57.2946,
88.9243

■ 45.6380, 59.8340,
89.2655

■ 49.2229, 62.7837,
89.6459

■ 53.6298, 66.1756,
90.0684

■ 58.9143, 70.0383,
90.5354

■ 65.1266, 74.3980,
91.0495

■ 72.3134, 79.2785,
91.6128

Harmonies

Analogous

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



35.5029, 51.7154, 62.8734



38.0865, 51.7154, 88.0955



43.7036, 51.7154, 107.6810

Triad

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



38.0865, 51.7154, 88.0955



64.8001, 51.7154, 74.1422



46.9785, 51.7154, 23.1025

Complementary

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



38.0865, 51.7154, 88.0955



35.3424, 18.8381, 1.7751

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.



55.0396, 51.7154, 24.5984



38.0865, 51.7154, 88.0955



65.9201, 51.7154, 50.2187

Square

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



38.0865, 51.7154, 88.0955



59.2679, 51.7154, 98.2282



62.1812, 51.7154, 33.2687



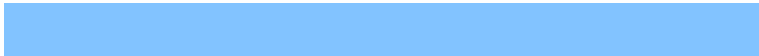
40.2615, 51.7154, 28.4222

Rectangle

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



38.0865, 51.7154, 88.0955



48.6984, 51.7154, 112.5146



62.1812, 51.7154, 33.2687



49.6123, 51.7154, 22.8611

Sweetspot

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



38.0882, 51.7173, 88.0968



69.4687, 82.6316, 106.8959



30.4914, 60.6520, 11.1799



14.2773, 17.2591, 22.8288



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.



38.0882, 51.7173, 88.0968



44.9395, 60.9990, 104.0132



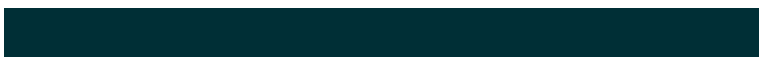
19.0184, 13.5777, 81.7402



15.3569, 16.8003, 19.3556



20.8569, 28.3608, 48.1179



1.6808, 2.3130, 3.7927

Inverse Universe

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



46.4351, 22.6096, 62.2402



54.8126, 26.6890, 73.4022



45.2315, 38.6161, 5.0714



15.6337, 15.2813, 18.6224



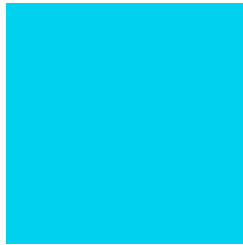
25.3829, 12.3558, 34.1473



2.0149, 0.9789, 2.7956

Previews

White Background



This preview shows how the XYZ color 38.0865, 51.7154, 88.0955 looks on a white background.

Color Contrast Check

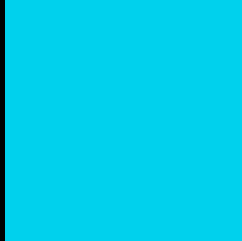
Large Text (above 18pt) WCAG AA × Fail

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 38.0865, 51.7154, 88.0955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

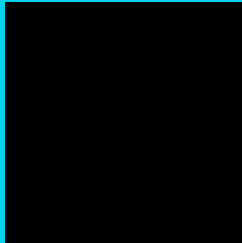
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0865, 51.7154, 88.0955

Background



This preview shows how black text looks on a background with the XYZ color 38.0865, 51.7154, 88.0955.

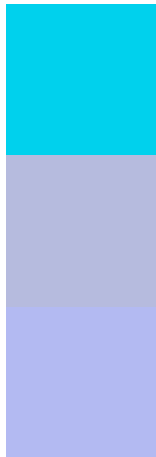


This preview shows how white text looks on a background with the XYZ color 38.0865, 51.7154,

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

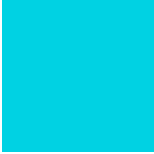
38.0865, 51.7154, 88.0955

Protanopia

50.2465, 50.7597, 76.2566

Deuteranopia

52.1763, 51.1123, 91.1201



Tritanopia

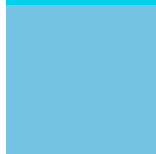
36.9117, 51.6392, 80.6950

Trichromacy



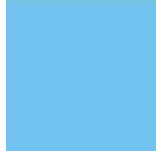
Original Color

38.0865, 51.7154, 88.0955



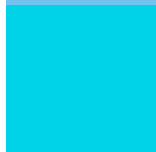
Protanomaly

40.5827, 48.2893, 79.8549



Deuteranomaly

41.9594, 48.4523, 89.5788



Tritanomaly

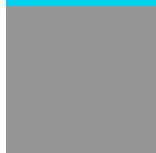
37.4704, 51.8627, 83.6369

Monochromacy



Original Color

38.0865, 51.7154, 88.0955



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.7257, 34.9361, 49.5380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0865, 51.7154, 88.0955 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, 209, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 237)  
}
```

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, 209, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 237) }
```

Border

The CSS property to change the border of an element to XYZ 38.0865, 51.7154, 88.0955 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, 209, 237) }
```


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

```
.border{ border-color:rgb(0, 209, 237) }
```

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

Here you see how a box with a 4 pixel rgb(0, 209, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0865, 51.7154, 88.0955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 237) }
```

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

```
.background{ background-color: rgb(0, 209,  
237) }
```

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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