

Converting Colors

XYZ(32.8208, 50.2829, 88.3203)

Have a look what the booklet for
XYZ(32.8208, 50.2829, 88.3203)
contains.

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Color

**XYZ(38.8295, 53.2014,
88.3431)**

Conversions

Conversions Part 1

Format	Color
Hex	00D4ED
RGB	0, 212, 237
RGB Percent	0%, 83%, 93%
CMY	0.9998, 0.1686, 0.0706
CMYK	1.00, 0.11, 0.00, 0.07
HSL	186°, 100%, 46%
HSV	186°, 100%, 93%
XYZ	38.8295, 53.2014, 88.3431
YIQ	151.4620, -134.3770, -37.1690

Conversions

Conversions Part 2

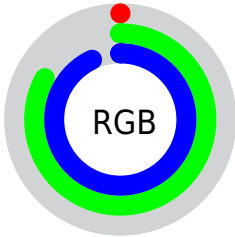
Format	Color
RYB	0, 112, 237
Decimal	54509
CIELab	77.99, -34.14, -24.48
CIELCh	78, 42.011, 215.640
Yxy	53.2014, 0.2153, 0.2950
Android (android.graphics.Color)	4278244589 (0xFF00D4ED)
YUV	151.4620, 42.1702, -132.8322
Hunter-Lab	72.9393, -32.6186, -20.7538

Details

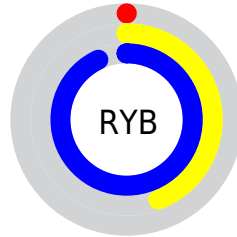
The XYZ color **38.8295, 53.2014, 88.3431** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **35.2747, 18.7026, 1.7525**, and the grayscale version is **29.4877, 31.0234, 33.7845**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.3975, 27.4501, 47.9394** is the 20% darker color. If you saturate the color by 10%, you get **38.8289, 53.1998, 88.3438**, and if you desaturate by 10%, it is **39.8314, 54.6541, 88.5717**.

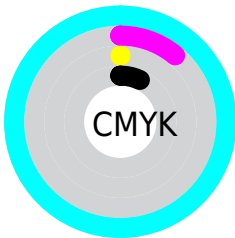
Distribution



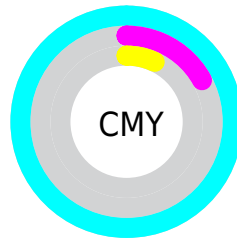
- Red (0%)
- Green (83%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8295, 53.2014, 88.3431 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 38.8295, 53.2014, 88.3431 by changing the saturation by 10% instead.


 38.8295, 53.2014,
88.3431


 38.8295, 53.2014,
88.3431


332.3847,
399.0573, 543.0566


 26.8072, 37.9636,
66.0413


 72.6735, 94.9007,
146.9501


 17.5643, 25.9544,
47.8492


 95.2260, 122.1309,
184.0923


 10.7355, 16.7895,
33.3484


 122.0192,
154.1274, 227.0185

 5.9552, 10.0846,
22.1202

 153.4186,
191.2745, 276.1470

 2.8583, 5.4551,
13.7461

 189.7895,
233.9566, 331.8966

 1.0793, 2.5167,
7.8075

231.4973,

 0.0077, 0.8850,

282.5582, 394.6857

3.8860

278.9072,
337.4637, 464.9328

■ 0.0000, 0.0000,
1.5630

■ 0.0000, 0.0000,
0.2642

■ 38.8295, 53.2014,
88.3431

■ 38.8295, 53.2014,
88.3431

■ 38.8289, 53.1998,
88.3438

■ 39.8314, 54.6541,
88.5717

■ 41.2937, 56.3575,
88.8234

■ 43.3598, 58.3867,
89.1062

■ 46.1136, 60.7850,
89.4240

■ 49.6255, 63.5887,
89.7801

■ 53.9570, 66.8297,
90.1773

■ 59.1635, 70.5364,
90.6184

■ 65.2953, 74.7350,
91.1056

■ 72.3991, 79.4495,
91.6412

Harmonies

Analogous

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



36.4720, 53.2014, 62.4689



38.8295, 53.2014, 88.3431



44.3517, 53.2014, 109.4220

Triad

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



38.8295, 53.2014, 88.3431



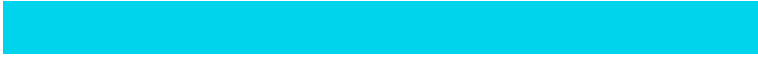
66.2926, 53.2014, 78.5665



49.0360, 53.2014, 23.6662

Complementary

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



38.8295, 53.2014, 88.3431



35.2747, 18.7026, 1.7525

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.



57.3359, 53.2014, 25.8163



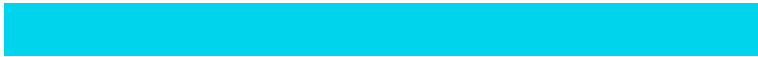
38.8295, 53.2014, 88.3431



67.8915, 53.2014, 53.6113

Square

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



38.8295, 53.2014, 88.3431



60.2973, 53.2014, 102.7944



64.4578, 53.2014, 35.4422



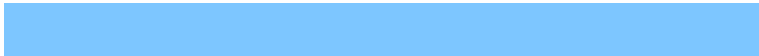
41.9430, 53.2014, 28.4869

Rectangle

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



38.8295, 53.2014, 88.3431



49.3800, 53.2014, 115.4592



64.4578, 53.2014, 35.4422



51.7715, 53.2014, 23.6179

Sweetspot

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



38.8312, 53.2033, 88.3444



69.7641, 83.2223, 106.9943



30.4476, 60.6344, 10.9497



14.3490, 17.4024, 22.8527



0.0000, 0.0000, 0.0000



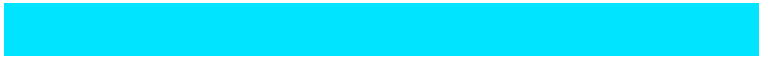
20.3446, 21.4041, 23.3091

Same Dimension

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



38.8312, 53.2033, 88.3444



45.8199, 62.7598, 104.3066



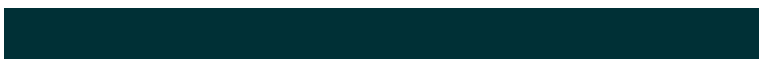
19.3645, 14.2699, 81.8555



15.3740, 16.8345, 19.3613



21.2569, 29.1607, 48.2512



1.7082, 2.3679, 3.8019

Inverse Universe

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



46.8102, 22.7597, 64.2152



55.2570, 26.8668, 75.7424



44.6323, 37.4178, 4.8717



15.6423, 15.2848, 18.6679



25.5848, 12.4366, 35.2104



2.0287, 0.9845, 2.8686

Previews

White Background



This preview shows how the XYZ color 38.8295, 53.2014, 88.3431 looks on a white background.

Color Contrast Check

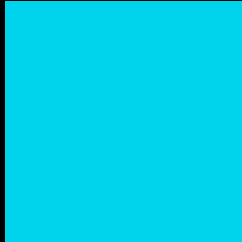
Large Text (above 18pt) WCAG AA × Fail

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 38.8295, 53.2014, 88.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

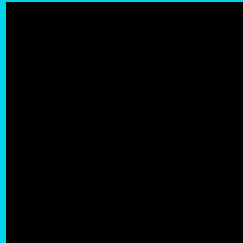
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8295, 53.2014, 88.3431

Background



This preview shows how black text looks on a background with the XYZ color 38.8295, 53.2014, 88.3431.



This preview shows how white text looks on a background with the XYZ color 38.8295, 53.2014,

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

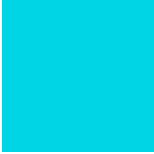
38.8295, 53.2014, 88.3431

Protanopia

51.6059, 52.4151, 76.5045

Deuteranopia

53.5387, 52.4445, 91.3054



Tritanopia

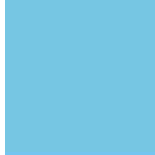
38.0772, 53.3017, 83.1443

Trichromacy



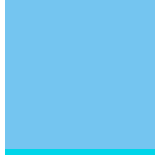
Original Color

38.8295, 53.2014, 88.3431



Protanomaly

41.5304, 49.7858, 80.0938



Deuteranomaly

42.8969, 49.9368, 89.8159



Tritanomaly

38.5022, 53.4717, 85.3826

Monochromacy



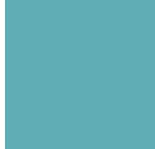
Original Color

38.8295, 53.2014, 88.3431



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 38.8295, 53.2014, 88.3431 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 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, 212, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 237) }
```

Border

The CSS property to change the border of an element to XYZ 38.8295, 53.2014, 88.3431 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, 237) }
```


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

```
.border{ border-color:rgb(0, 212, 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, 212, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8295, 53.2014, 88.3431 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, 237) }
```

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

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