

Converting Colors

XYZ(34.5752, 51.1764, 85.0492)

Have a look what the booklet for
XYZ(34.5752, 51.1764, 85.0492)
contains.

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Color

**XYZ(38.2515, 52.9702,
85.2990)**

Conversions

Conversions Part 1

Format	Color
Hex	00D4E9
RGB	0, 212, 233
RGB Percent	0%, 83%, 91%
CMY	0.9997, 0.1686, 0.0863
CMYK	1.00, 0.09, 0.00, 0.09
HSL	185°, 100%, 46%
HSV	185°, 100%, 91%
XYZ	38.2515, 52.9702, 85.2990
YIQ	151.0060, -133.0930, -38.4130

Conversions

Conversions Part 2

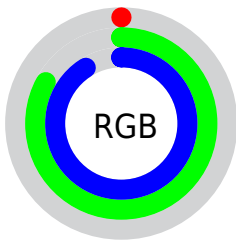
Format	Color
RYB	0, 111, 233
Decimal	54505
CIELab	77.86, -35.40, -22.55
CIELCh	78, 41.975, 212.491
Yxy	52.9702, 0.2167, 0.3001
Android (android.graphics.Color)	4278244585 (0xFF00D4E9)
YUV	151.0060, 40.4230, -132.4323
Hunter-Lab	72.7806, -33.5514, -18.5415

Details

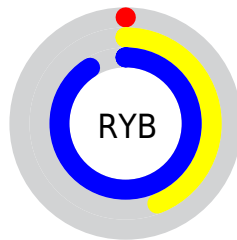
The XYZ color **38.2515, 52.9702, 85.2990** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.8744, 17.8626, 1.6643**, and the grayscale version is **29.3001, 30.8260, 33.5695**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.9928, 27.2883, 45.8084** is the 20% darker color. If you saturate the color by 10%, you get **38.2510, 52.9688, 85.2998**, and if you desaturate by 10%, it is **39.1427, 54.2152, 85.4934**.

Distribution



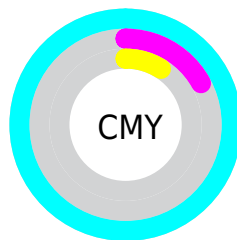
- Red (0%)
- Green (83%)
- Blue (91%)



- Red (0%)
- Yellow (44%)
- Blue (91%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (17%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2515, 52.9702, 85.2990 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 38.2515, 52.9702, 85.2990 by changing the saturation by 10% instead.


 38.2515, 52.9702,
85.2990


 38.2515, 52.9702,
85.2990


329.9598,
398.1708, 532.7873


 26.3560, 37.7790,
63.5369


 71.7949, 94.5605,
142.6687


 17.2243, 25.8112,
45.8319


 94.1735, 121.7284,
179.1134


 10.4908, 16.6824,
31.7655


 120.7772,
153.6573, 221.2894

 5.7903, 10.0083,
20.9191

 151.9714,
190.7316, 269.6152

 2.7574, 5.4045,
12.8742

 188.1214,
233.3357, 324.5093

 1.0268, 2.4865,
7.2123

229.5926,

 0.0000, 0.8699,

281.8540, 386.3904

3.5148

276.7503,
336.6709, 455.6768

■ 0.0000, 0.0000,
1.3631

■ 0.0000, 0.0000,
0.1127

■ 38.2515, 52.9702,
85.2990

■ 38.2515, 52.9702,
85.2990

■ 38.2510, 52.9688,
85.2998

■ 39.1427, 54.2152,
85.4934

■ 40.4731, 55.6959,
85.7090

■ 42.3817, 57.4848,
85.9537

■ 44.9487, 59.6233,
86.2312

■ 48.2415, 62.1463,
86.5447

■ 52.3193, 65.0843,
86.8968

■ 57.2349, 68.4646,
87.2902

■ 63.0368, 72.3122,
87.7271

■ 69.7695, 76.6501,
88.2095

Harmonies

Analogous

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



36.2572, 52.9702, 59.6482



38.2515, 52.9702, 85.2990



43.4497, 52.9702, 107.3419

Triad

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



38.2515, 52.9702, 85.2990



65.5641, 52.9702, 80.9881



49.6686, 52.9702, 23.4531

Complementary

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



38.2515, 52.9702, 85.2990



33.8744, 17.8626, 1.6643

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.



57.9373, 52.9702, 26.3248



38.2515, 52.9702, 85.2990



67.6817, 52.9702, 55.7468

Square

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



38.2515, 52.9702, 85.2990



59.2424, 52.9702, 104.4175



64.7552, 52.9702, 36.7703



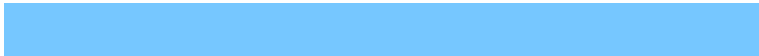
42.3891, 52.9702, 27.4981

Rectangle

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



38.2515, 52.9702, 85.2990



48.3263, 52.9702, 114.5946



64.7552, 52.9702, 36.7703



52.4224, 52.9702, 23.6415

Sweetspot

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



38.2532, 52.9721, 85.3003



70.1244, 83.9429, 107.1144



29.2617, 58.3277, 10.3537



14.4364, 17.5773, 22.8818



0.0000, 0.0000, 0.0000



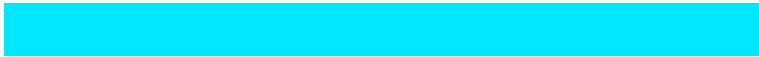
20.3446, 21.4041, 23.3091

Same Dimension

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



38.2532, 52.9721, 85.3003



46.9102, 64.9404, 104.6701



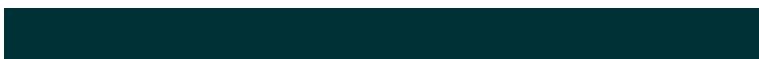
18.9949, 14.4555, 78.8809



15.3948, 16.8761, 19.3683



21.7519, 30.1509, 48.4162



1.7421, 2.4356, 3.8132

Inverse Universe

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



45.4894, 22.0789, 64.1534



55.8073, 27.0869, 78.6403



42.4013, 34.9166, 4.5066



15.6528, 15.2890, 18.7232



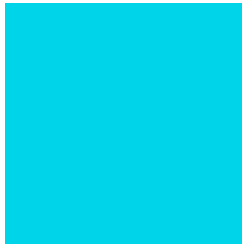
25.8347, 12.5366, 36.5263



2.0458, 0.9913, 2.9586

Previews

White Background



This preview shows how the XYZ color 38.2515, 52.9702, 85.2990 looks on a white background.

Color Contrast Check

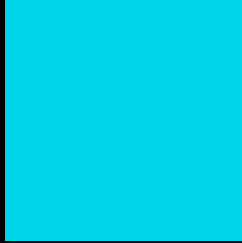
Large Text (above 18pt) WCAG AA × Fail

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 38.2515, 52.9702, 85.2990 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

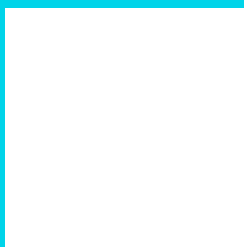
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2515, 52.9702, 85.2990

Background



This preview shows how black text looks on a background with the XYZ color 38.2515, 52.9702, 85.2990.



This preview shows how white text looks on a background with the XYZ color 38.2515, 52.9702,

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

38.2515, 52.9702, 85.2990

Protanopia

51.1022, 51.8963, 73.6533

Deuteranopia

53.3579, 52.0869, 88.9029



Tritanopia

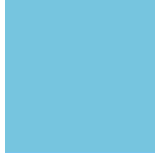
37.8264, 52.8001, 83.0607

Trichromacy



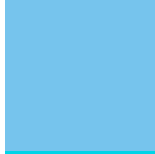
Original Color

38.2515, 52.9702, 85.2990



Protanomaly

40.7567, 49.1118, 77.1434



Deuteranomaly

42.4972, 49.4458, 87.4249



Tritanomaly

37.9673, 52.8565, 83.8025

Monochromacy



Original Color

38.2515, 52.9702, 85.2990



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

28.1079, 35.7101, 49.1274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2515, 52.9702, 85.2990 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 233) }
```

Border

The CSS property to change the border of an element to XYZ 38.2515, 52.9702, 85.2990 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, 233) }
```


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

```
.border{ border-color:rgb(0, 212, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2515, 52.9702, 85.2990 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, 233) }
```

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

```
.background{ background-color: rgb(0, 212,  
233) }
```

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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