

Converting Colors

XYZ(35.9811, 52.5011, 71.9896)

Have a look what the booklet for
XYZ(35.9811, 52.5011, 71.9896)
contains.

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Color

**XYZ(35.9318, 52.4435,
71.8471)**

Conversions

Conversions Part 1

Format	Color
Hex	00D5D6
RGB	0, 213, 214
RGB Percent	0%, 84%, 84%
CMY	0.9998, 0.1647, 0.1608
CMYK	1.00, 0.00, 0.00, 0.16
HSL	180°, 100%, 42%
HSV	180°, 100%, 84%
XYZ	35.9318, 52.4435, 71.8471
YIQ	149.4270, -127.2690, -44.8450

Conversions

Conversions Part 2

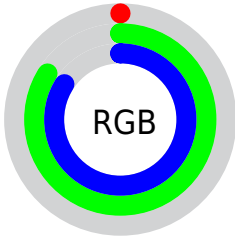
Format	Color
RYB	0, 107, 214
Decimal	54742
CIELab	77.55, -41.68, -12.83
CIELCh	78, 43.609, 197.116
Yxy	52.4435, 0.2243, 0.3273
Android (android.graphics.Color)	4278244822 (0xFF00D5D6)
YUV	149.4270, 31.8345, -131.0475
Hunter-Lab	72.4179, -38.1644, -8.1302

Details

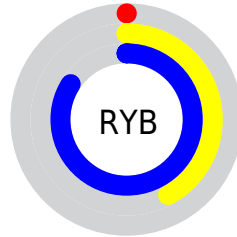
The XYZ color **35.9318, 52.4435, 71.8471** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.7436, 14.3192, 1.3030**, and the grayscale version is **28.6621, 30.1547, 32.8385**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **18.4849, 26.9569, 37.0298** is the 20% darker color. If you saturate the color by 10%, you get **35.9327, 52.4450, 71.8483**, and if you desaturate by 10%, it is **36.2768, 52.6598, 71.8716**.

Distribution



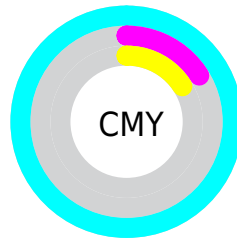
- Red (0%)
- Green (84%)
- Blue (84%)



- Red (0%)
- Yellow (42%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9318, 52.4435, 71.8471 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 35.9318, 52.4435, 71.8471 by changing the saturation by 10% instead.


 35.9318, 52.4435,
71.8471


 35.9318, 52.4435,
71.8471


320.0988,
396.1464, 485.9725


 24.5514, 37.3587,
52.5477


 68.2513, 93.7850,
123.5448


 15.8701, 25.4853,
37.0566

 89.9212, 120.8105,
156.7802


 9.5225, 16.4390,
24.9552


 115.7516,
152.5849, 195.4981

 5.1434, 9.8353,
15.8249

 146.1078,
189.4928, 240.1169

 2.3673, 5.2899,
9.2474

 181.3553,
231.9185, 291.0552

 0.8287, 2.4184,
4.8039

221.8594,

 0.0000, 0.8353,

280.2464, 348.7315

2.0759

267.9855,
334.8609, 413.5644

■ 0.0000, 0.0000,
0.6014

■ 0.0000, 0.0000,
0.0000

■ 35.9318, 52.4435,
71.8471

■ 35.9318, 52.4435,
71.8471

■ 35.9327, 52.4450,
71.8483

■ 36.2768, 52.6598,
71.8716

■ 36.9730, 53.0560,
71.9114

■ 38.1388, 53.6943,
71.9732

■ 39.8389, 54.6082,
72.0600

■ 42.1279, 55.8256,
72.1743

■ 45.0537, 57.3713,
72.3185

■ 48.6590, 59.2673,
72.4944

■ 52.9833, 61.5340,
72.7040

■ 58.0627, 64.1900,
72.9490

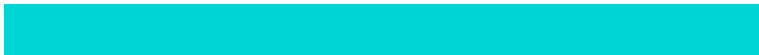
Harmonies

Analogous

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



35.6839, 52.4435, 47.3840



35.9318, 52.4435, 71.8471



39.6300, 52.4435, 98.2088

Triad

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



35.9318, 52.4435, 71.8471



62.6604, 52.4435, 94.7783



53.5400, 52.4435, 22.8053

Complementary

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



35.9318, 52.4435, 71.8471



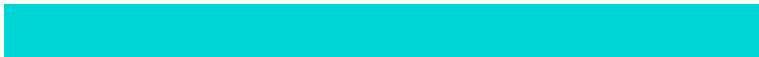
27.7436, 14.3192, 1.3030

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.



61.6820, 52.4435, 29.4431



35.9318, 52.4435, 71.8471



67.3324, 52.4435, 68.0656

Square

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



35.9318, 52.4435, 71.8471



54.7588, 52.4435, 113.7935



66.9555, 52.4435, 44.5265



45.2361, 52.4435, 23.2887

Rectangle

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



35.9318, 52.4435, 71.8471



43.8175, 52.4435, 111.2874



66.9555, 52.4435, 44.5265



56.4035, 52.4435, 24.1765

Sweetspot

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



35.9334, 52.4454, 71.8484



72.1713, 88.0367, 107.7967



24.0478, 48.0943, 8.0171



14.9348, 18.5740, 23.0479



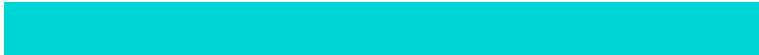
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



35.9334, 52.4454, 71.8484



53.4316, 77.9831, 106.8439



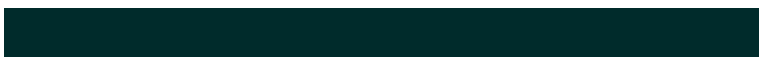
17.3987, 15.3760, 65.6701



12.7870, 14.0975, 15.9847



21.7210, 31.7038, 43.4278



1.3118, 1.9155, 2.6199

Inverse Universe

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



39.7431, 19.1017, 64.5451



59.0990, 28.4036, 95.9741



32.9925, 24.8171, 3.0527



12.9505, 12.6317, 15.6793



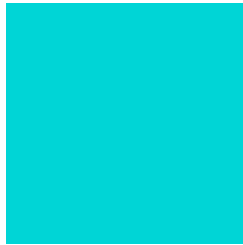
24.0226, 11.5454, 39.0187



1.4498, 0.6967, 2.3578

Previews

White Background



This preview shows how the XYZ color 35.9318, 52.4435, 71.8471 looks on a white background.

Color Contrast Check

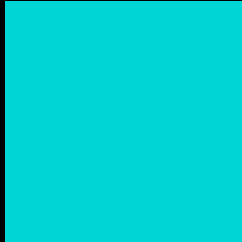
Large Text (above 18pt) WCAG AA × Fail

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 35.9318, 52.4435, 71.8471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

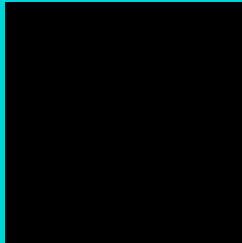
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

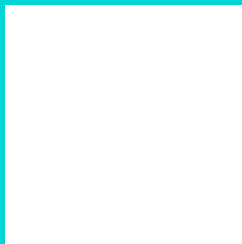
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9318, 52.4435, 71.8471

Background



This preview shows how black text looks on a background with the XYZ color 35.9318, 52.4435, 71.8471.



This preview shows how white text looks on a background with the XYZ color 35.9318, 52.4435,

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

35.9318, 52.4435, 71.8471

Protanopia

49.9923, 51.5951, 61.3568

Deuteranopia

52.5154, 51.3346, 74.8508



Tritanopia

38.0972, 52.6020, 81.5441

Trichromacy



Original Color

35.9318, 52.4435, 71.8471



Protanomaly

39.1192, 48.8854, 64.5008



Deuteranomaly

40.3384, 48.3031, 73.5270



Tritanomaly

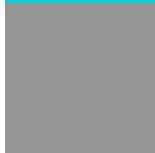
37.2395, 52.6089, 78.0038

Monochromacy



Original Color

35.9318, 52.4435, 71.8471



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.0147, 34.9551, 44.8583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9318, 52.4435, 71.8471 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, 213, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 214)  
}
```

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, 213, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 214) }
```

Border

The CSS property to change the border of an element to XYZ 35.9318, 52.4435, 71.8471 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, 213, 214) }
```


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

```
.border{ border-color:rgb(0, 213, 214) }
```

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

Here you see how a box with a 4 pixel rgb(0, 213, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9318, 52.4435, 71.8471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 214) }
```

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

```
.background{ background-color: rgb(0, 213,  
214) }
```

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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