

Converting Colors

XYZ(34.0243, 50.6045, 81.5055)

Have a look what the booklet for
XYZ(34.0243, 50.6045, 81.5055)
contains.

XYZ(37.2979, 52.1900, 81.5067)	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(37.2979, 52.1900,
81.5067)**

Conversions

Conversions Part 1

Format	Color
Hex	00D3E4
RGB	0, 211, 228
RGB Percent	0%, 83%, 89%
CMY	0.9998, 0.1725, 0.1059
CMYK	1.00, 0.07, 0.00, 0.11
HSL	184°, 100%, 45%
HSV	184°, 100%, 89%
XYZ	37.2979, 52.1900, 81.5067
YIQ	149.8490, -131.2130, -39.4450

Conversions

Conversions Part 2

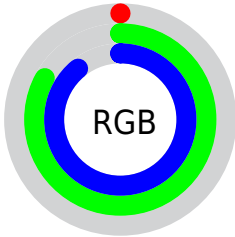
Format	Color
RYB	0, 110, 228
Decimal	54244
CIELab	77.39, -36.50, -20.57
CIELCh	77, 41.900, 209.405
Yxy	52.1900, 0.2181, 0.3052
Android (android.graphics.Color)	4278244324 (0xFF00D3E4)
YUV	149.8490, 38.5284, -131.4176
Hunter-Lab	72.2426, -34.2675, -16.3232

Details

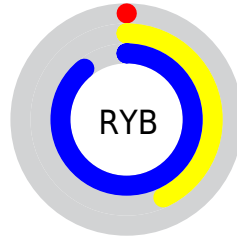
The XYZ color **37.2979, 52.1900, 81.5067** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.1971, 16.8971, 1.5663**, and the grayscale version is **28.8156, 30.3162, 33.0144**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.4313, 26.7941, 43.6828** is the 20% darker color. If you saturate the color by 10%, you get **37.2976, 52.1892, 81.5076**, and if you desaturate by 10%, it is **38.0736, 53.2214, 81.6659**.

Distribution



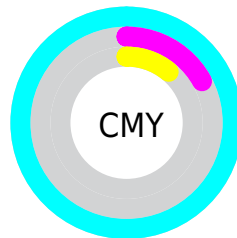
- Red (0%)
- Green (83%)
- Blue (89%)



- Red (0%)
- Yellow (43%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2979, 52.1900, 81.5067 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 37.2979, 52.1900, 81.5067 by changing the saturation by 10% instead.

37.2979, 52.1900,
81.5067

37.2979, 52.1900,
81.5067

325.9316,
395.1697, 519.8362

25.6130, 37.1565,
60.4256

70.3416, 93.4114,
137.3125

16.6655, 25.3287,
43.3342

92.4310, 120.3681,
172.8742

10.0901, 16.3221,
29.8141

118.7194,
152.0680, 214.0999

5.5215, 9.7524,
19.4467

149.5719,
188.8956, 261.4080

2.5942, 5.2351,
11.8134

185.3541,
231.2351, 315.2172

0.9430, 2.3859,
6.4957

226.4312,

0.0000, 0.8186,

279.4710, 375.9459

3.0752

273.1686,
333.9878, 444.0127

■ 0.0000, 0.0000,
1.1332

■ 0.0000, 0.0000,
0.0000

■ 37.2979, 52.1900,
81.5067

■ 37.2979, 52.1900,
81.5067

■ 37.2976, 52.1892,
81.5076

■ 38.0736, 53.2214,
81.6659

■ 39.2642, 54.4722,
81.8446

■ 41.0025, 56.0121,
82.0502

■ 43.3647, 57.8803,
82.2863

■ 46.4146, 60.1098,
82.5559

■ 50.2083, 62.7294,
82.8615

■ 54.7959, 65.7650,
83.2057

■ 60.2233, 69.2403,
83.5904

■ 66.5327, 73.1772,
84.0178

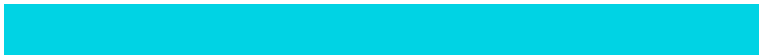
Harmonies

Analogous

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



35.6728, 52.1900, 56.3666



37.2979, 52.1900, 81.5067



42.1318, 52.1900, 104.2014

Triad

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



37.2979, 52.1900, 81.5067



64.1680, 52.1900, 82.5258



49.7661, 52.1900, 23.0092

Complementary

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



37.2979, 52.1900, 81.5067



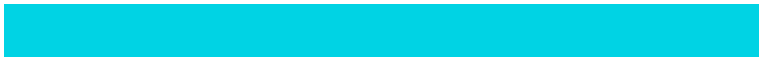
32.1971, 16.8971, 1.5663

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.



57.9135, 52.1900, 26.5559



37.2979, 52.1900, 81.5067



66.7612, 52.1900, 57.2880

Square

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



37.2979, 52.1900, 81.5067



57.6051, 52.1900, 104.8931



64.3592, 52.1900, 37.7104



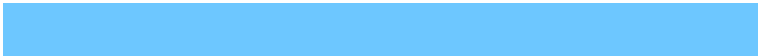
42.3822, 52.1900, 26.2794

Rectangle

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



37.2979, 52.1900, 81.5067



46.8113, 52.1900, 112.5328



64.3592, 52.1900, 37.7104



52.5078, 52.1900, 23.4243

Sweetspot

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



37.2995, 52.1919, 81.5080



70.4920, 84.6781, 107.2369



27.8326, 55.5232, 9.7117



14.5257, 17.7560, 22.9116



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.



37.2995, 52.1919, 81.5080



48.0407, 67.2014, 105.0469



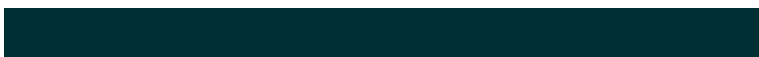
18.4508, 14.4944, 75.2251



14.7107, 16.1427, 18.4848



21.5753, 30.2128, 47.0777



1.6219, 2.2878, 3.4881

Inverse Universe

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



43.7543, 21.1988, 63.4156



56.3779, 27.3152, 81.6452



39.8759, 32.2549, 4.1259



14.9463, 14.5957, 17.9175



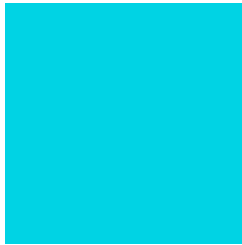
25.2837, 12.2477, 36.7188



1.8823, 0.9106, 2.7867

Previews

White Background



This preview shows how the XYZ color 37.2979, 52.1900, 81.5067 looks on a white background.

Color Contrast Check

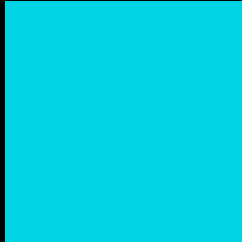
Large Text (above 18pt) WCAG AA × Fail

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 37.2979, 52.1900, 81.5067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

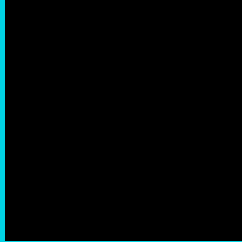
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

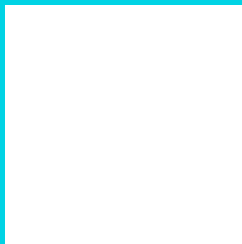
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2979, 52.1900, 81.5067

Background



This preview shows how black text looks on a background with the XYZ color 37.2979, 52.1900, 81.5067.

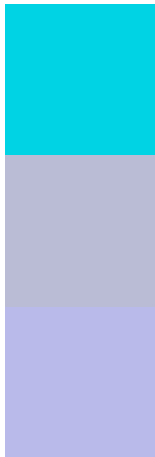


This preview shows how white text looks on a background with the XYZ color 37.2979, 52.1900,

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

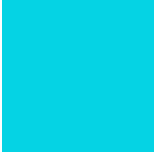
37.2979, 52.1900, 81.5067

Protanopia

50.2432, 51.2096, 70.1871

Deuteranopia

52.6599, 51.4974, 85.0064



Tritanopia

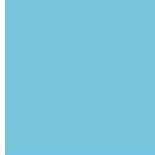
37.3604, 52.2222, 81.5096

Trichromacy



Original Color

37.2979, 52.1900, 81.5067



Protanomaly

39.8660, 48.3934, 73.5694



Deuteranomaly

41.5518, 48.7080, 83.5555



Tritanomaly

37.3354, 52.2093, 81.5084

Monochromacy



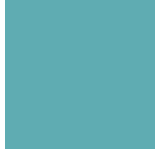
Original Color

37.2979, 52.1900, 81.5067



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.5077, 35.1523, 47.4547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2979, 52.1900, 81.5067 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, 211, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 228)  
}
```

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, 211, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 228) }
```

Border

The CSS property to change the border of an element to XYZ 37.2979, 52.1900, 81.5067 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, 211, 228) }
```


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

```
.border{ border-color:rgb(0, 211, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 211, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2979, 52.1900, 81.5067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 228) }
```

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

```
.background{ background-color: rgb(0, 211,  
228) }
```

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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