

Converting Colors

XYZ(18.6972, 43.5290, 65.4653)

Have a look what the booklet for
XYZ(18.6972, 43.5290, 65.4653)
contains.

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Color

**XYZ(34.8137, 51.9963,
65.9590)**

Conversions

Conversions Part 1

Format	Color
Hex	00D5CD
RGB	0, 213, 205
RGB Percent	0%, 84%, 80%
CMY	0.9998, 0.1647, 0.1961
CMYK	1.00, 0.00, 0.04, 0.16
HSL	178°, 100%, 42%
HSV	178°, 100%, 84%
XYZ	34.8137, 51.9963, 65.9590
YIQ	148.4010, -124.3800, -47.6440

Conversions

Conversions Part 2

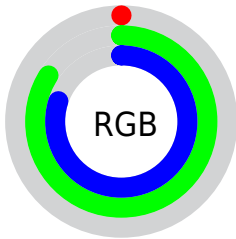
Format	Color
RYB	0, 109, 213
Decimal	54733
CIELab	77.28, -44.32, -8.40
CIELCh	77, 45.107, 190.734
Yxy	51.9963, 0.2279, 0.3404
Android (android.graphics.Color)	4278244813 (0xFF00D5CD)
YUV	148.4010, 27.9033, -130.1477
Hunter-Lab	72.1085, -40.0107, -3.7578

Details

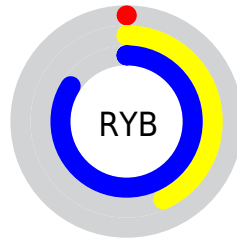
The XYZ color **34.8137, 51.9963, 65.9590** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.4861, 14.1653, 1.5166**, and the grayscale version is **28.2464, 29.7174, 32.3623**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **17.6429, 26.3483, 33.4340** is the 20% darker color. If you saturate the color by 10%, you get **34.8145, 51.9979, 65.9591**, and if you desaturate by 10%, it is **35.2282, 52.1999, 66.4852**.

Distribution



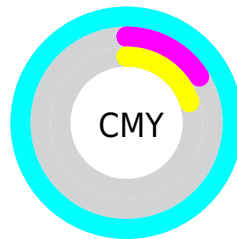
- Red (0%)
- Green (84%)
- Blue (80%)



- Red (0%)
- Yellow (43%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8137, 51.9963, 65.9590 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 34.8137, 51.9963, 65.9590 by changing the saturation by 10% instead.


 34.8137, 51.9963,
65.9590


 34.8137, 51.9963,
65.9590


315.2677,
394.4223, 464.6304

 23.6852, 37.0021,
47.7828


 66.5330, 93.1258,
115.0539


 15.2238, 25.2091,
33.2962


 87.8545, 120.0299,
146.8098


 9.0639, 16.2329,
22.0805


 113.3045,
151.6727, 183.9293

 4.8403, 9.6891,
13.7172

 143.2482,
188.4388, 226.8310

 2.1877, 5.1933,
7.7877

 178.0510,
230.7123, 275.9334

 0.7362, 2.3611,
3.8736

218.0783,

 0.0000, 0.8058,

278.8779, 331.6551

1.5563

263.6954,
333.3197, 394.4146

■ 0.0000, 0.0000,
0.2593

■ 0.0000, 0.0000,
0.0000

■ 34.8137, 51.9963,
65.9590

■ 34.8137, 51.9963,
65.9590

■ 34.8145, 51.9979,
65.9591

■ 35.2282, 52.1999,
66.4852

■ 35.9905, 52.5816,
67.0292

■ 37.2177, 53.2030,
67.5974

■ 38.9740, 54.0971,
68.1931

■ 41.3133, 55.2916,
68.8186

■ 44.2827, 56.8109,
69.4762

■ 47.9249, 58.6769,
70.1678

■ 52.2785, 60.9097,
70.8954

■ 57.3793, 63.5277,
71.6606

Harmonies

Analogous

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



35.3232, 51.9963, 42.3068



34.8137, 51.9963, 65.9590



37.8581, 51.9963, 93.7369

Triad

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



34.8137, 51.9963, 65.9590



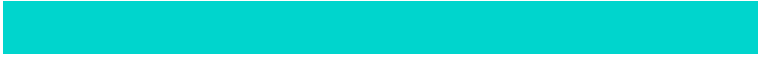
61.0890, 51.9963, 100.9269



55.1149, 51.9963, 22.5015

Complementary

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



34.8137, 51.9963, 65.9590



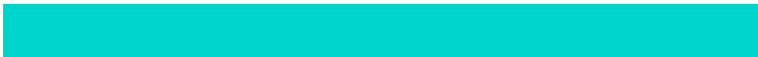
27.4861, 14.1653, 1.5166

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.



63.1267, 51.9963, 30.8720



34.8137, 51.9963, 65.9590



66.8445, 51.9963, 73.8326

Square

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



34.8137, 51.9963, 65.9590



52.5841, 51.9963, 117.5006



67.6309, 51.9963, 48.1982



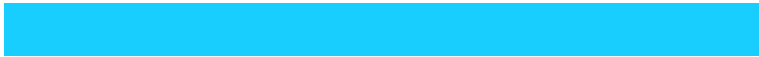
46.3872, 51.9963, 21.5244

Rectangle

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



34.8137, 51.9963, 65.9590



41.7272, 51.9963, 109.1686



67.6309, 51.9963, 48.1982



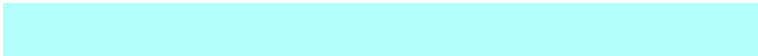
58.0066, 51.9963, 24.3971

Sweetspot

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



34.8153, 51.9982, 65.9602



71.8256, 88.0805, 105.4154



23.9293, 47.6593, 7.9393



14.8505, 18.5847, 22.4673



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.



34.8153, 51.9982, 65.9602



52.3054, 78.1382, 99.0470



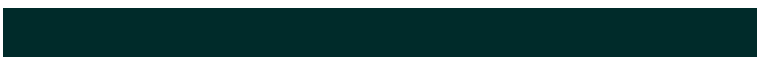
18.3926, 17.5674, 65.3744



12.7711, 14.0994, 15.8750



21.2744, 31.7651, 40.3361



1.2896, 1.9185, 2.4667

Inverse Universe

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



27.4861, 14.1653, 1.5166



41.2925, 21.2810, 2.2064



31.6134, 22.4900, 2.6761



12.4420, 12.4283, 13.0017



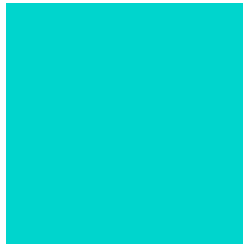
16.7971, 8.6552, 0.9697



1.0199, 0.5248, 0.0943

Previews

White Background



This preview shows how the XYZ color 34.8137, 51.9963, 65.9590 looks on a white background.

Color Contrast Check

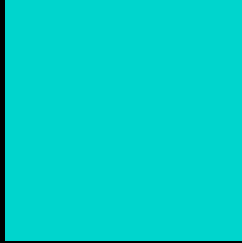
Large Text (above 18pt) WCAG AA × Fail

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 34.8137, 51.9963, 65.9590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

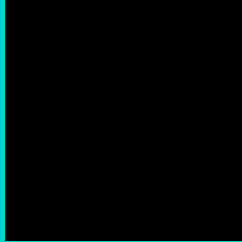
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

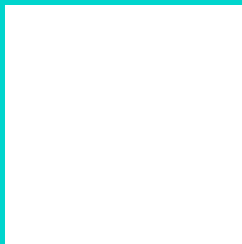
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.8137, 51.9963, 65.9590

Background



This preview shows how black text looks on a background with the XYZ color 34.8137, 51.9963, 65.9590.

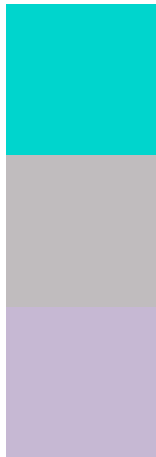


This preview shows how white text looks on a background with the XYZ color 34.8137, 51.9963,

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

34.8137, 51.9963, 65.9590

Protanopia

49.0157, 50.8906, 55.9547

Deuteranopia

52.1871, 50.9899, 68.7195



Tritanopia

37.9939, 52.1971, 80.7456

Trichromacy



Original Color

34.8137, 51.9963, 65.9590



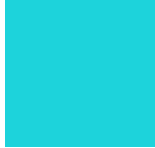
Protanomaly

37.8426, 48.0102, 58.9021



Deuteranomaly

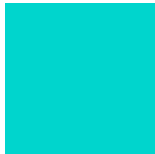
39.6279, 48.0693, 67.5113



Tritanomaly

36.5871, 51.9642, 75.1196

Monochromacy



Original Color

34.8137, 51.9963, 65.9590



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

26.5300, 34.7493, 42.8451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8137, 51.9963, 65.9590 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 205) }
```

Border

The CSS property to change the border of an element to XYZ 34.8137, 51.9963, 65.9590 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, 205) }
```


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

```
.border{ border-color:rgb(0, 213, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8137, 51.9963, 65.9590 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, 205) }
```

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

```
.background{ background-color: rgb(0, 213,  
205) }
```

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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