

Converting Colors

XYZ(37.3625, 53.8414, 76.8319)

Have a look what the booklet for
XYZ(37.3625, 53.8414, 76.8319)
contains.

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Color

**XYZ(37.3516, 53.8213,
76.8265)**

Conversions

Conversions Part 1

Format	Color
Hex	00D7DD
RGB	0, 215, 221
RGB Percent	0%, 84%, 87%
CMY	0.9998, 0.1569, 0.1333
CMYK	1.00, 0.03, 0.00, 0.13
HSL	182°, 100%, 43%
HSV	182°, 100%, 87%
XYZ	37.3516, 53.8213, 76.8265
YIQ	151.3990, -130.0660, -43.7140

Conversions

Conversions Part 2

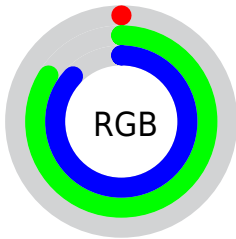
Format	Color
RYB	0, 109, 221
Decimal	55261
CIELab	78.36, -40.48, -15.37
CIELCh	78, 43.296, 200.789
Yxy	53.8213, 0.2223, 0.3204
Android (android.graphics.Color)	4278245341 (0xFF00D7DD)
YUV	151.3990, 34.3133, -132.7769
Hunter-Lab	73.3630, -37.5048, -10.7350

Details

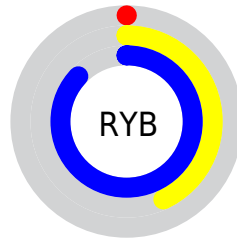
The XYZ color **37.3516, 53.8213, 76.8265** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.8853, 15.5040, 1.4191**, and the grayscale version is **29.4919, 31.0278, 33.7893**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.2811, 27.5494, 40.3777** is the 20% darker color. If you saturate the color by 10%, you get **37.3521, 53.8221, 76.8276**, and if you desaturate by 10%, it is **37.8400, 54.3014, 76.8944**.

Distribution



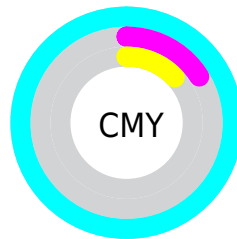
- Red (0%)
- Green (84%)
- Blue (87%)



- Red (0%)
- Yellow (43%)
- Blue (87%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3516, 53.8213, 76.8265 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 37.3516, 53.8213, 76.8265 by changing the saturation by 10% instead.

 37.3516, 53.8213,
76.8265


 37.3516, 53.8213,
76.8265


326.1594,
401.4282, 503.5942

 25.6548, 38.4588,
56.5998


 70.4235, 95.8118,
130.6653

 16.6969, 26.3390,
40.2768

 92.5294, 123.2086,
165.1145


 10.1126, 17.0774,
27.4390


 118.8355,
155.3857, 205.1415

 5.5365, 10.2897,
17.6678

 149.7074,
192.7274, 251.1650

 2.6033, 5.5915,
10.5448

 185.5104,
235.6180, 303.6035

 0.9476, 2.5983,
5.6514

226.6099,

 0.0000, 0.9258,

284.4422, 362.8755

2.5689

273.3711,
339.5841, 429.3996

■ 0.0000, 0.0000,
0.8764

■ 0.0000, 0.0000,
0.0000

■ 37.3516, 53.8213,
76.8265

■ 37.3516, 53.8213,
76.8265

■ 37.3521, 53.8221,
76.8276

■ 37.8400, 54.3014,
76.8944

■ 38.7091, 54.9776,
76.9791

■ 40.0845, 55.9155,
77.0877

■ 42.0364, 57.1515,
77.2234

■ 44.6238, 58.7159,
77.3890

■ 47.8987, 60.6356,
77.5869

■ 51.9074, 62.9344,
77.8193

■ 56.6925, 65.6343,
78.0883

■ 62.2932, 68.7555,
78.3955

Harmonies

Analogous

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



36.6642, 53.8213, 51.4270



37.3516, 53.8213, 76.8265



41.5069, 53.8213, 102.8443

Triad

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



37.3516, 53.8213, 76.8265



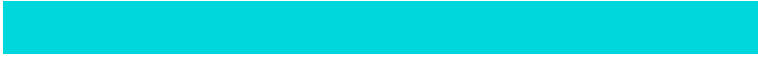
64.8867, 53.8213, 93.4368



53.8156, 53.8213, 23.4876

Complementary

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



37.3516, 53.8213, 76.8265



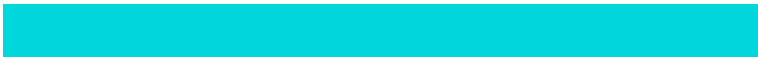
29.8853, 15.5040, 1.4191

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.



62.1943, 53.8213, 29.3113



37.3516, 53.8213, 76.8265



69.0360, 53.8213, 66.4156

Square

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



37.3516, 53.8213, 76.8265



57.1758, 53.8213, 114.1308



67.9996, 53.8213, 43.5152



45.5734, 53.8213, 24.8407

Rectangle

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



37.3516, 53.8213, 76.8265



45.9658, 53.8213, 114.8192



67.9996, 53.8213, 43.5152



56.7219, 53.8213, 24.5930

Sweetspot

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



37.3533, 53.8233, 76.8278



71.6260, 86.9462, 107.6149



25.8781, 51.7222, 8.7269



14.8018, 18.3080, 23.0036



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.



37.3533, 53.8233, 76.8278



51.6410, 74.4021, 106.2470



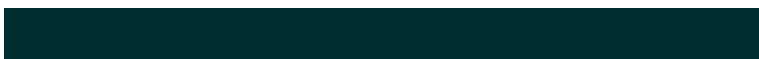
18.2939, 15.7046, 70.4747



13.4130, 14.7657, 16.7953



21.7124, 31.2942, 44.6344



1.4164, 2.0469, 2.8949

Inverse Universe

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



42.0860, 20.2801, 65.9882



58.1952, 28.0421, 91.2149



35.8609, 27.4552, 3.4110



13.5983, 13.2684, 16.4120



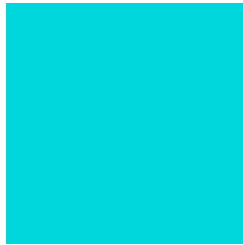
24.4547, 11.7829, 38.3703



1.5892, 0.7653, 2.5118

Previews

White Background



This preview shows how the XYZ color 37.3516, 53.8213, 76.8265 looks on a white background.

Color Contrast Check

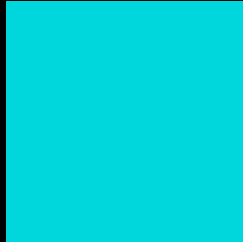
Large Text (above 18pt) WCAG AA × Fail

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 37.3516, 53.8213, 76.8265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

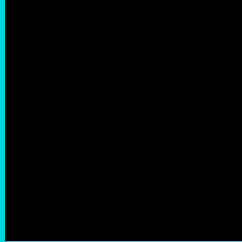
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

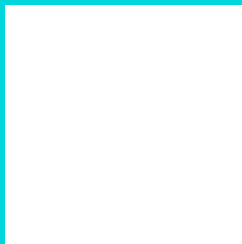
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3516, 53.8213, 76.8265

Background



This preview shows how black text looks on a background with the XYZ color 37.3516, 53.8213, 76.8265.

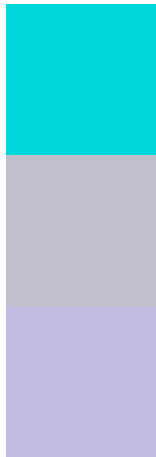


This preview shows how white text looks on a background with the XYZ color 37.3516, 53.8213,

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

37.3516, 53.8213, 76.8265

Protanopia

51.5096, 52.9243, 65.8931

Deuteranopia

54.0965, 52.9818, 80.0484



Tritanopia

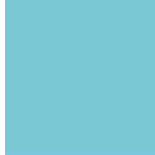
38.8137, 53.6651, 83.9140

Trichromacy



Original Color

37.3516, 53.8213, 76.8265



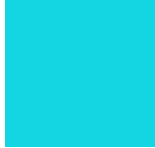
Protanomaly

40.4382, 50.1493, 69.1765



Deuteranomaly

41.9531, 50.0354, 78.6808



Tritanomaly

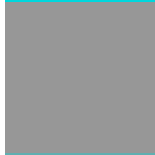
38.2002, 53.7879, 81.0418

Monochromacy



Original Color

37.3516, 53.8213, 76.8265



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.7964, 35.8935, 46.5374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3516, 53.8213, 76.8265 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, 215, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 221)  
}
```

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, 215, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 221) }
```

Border

The CSS property to change the border of an element to XYZ 37.3516, 53.8213, 76.8265 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, 215, 221) }
```


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

```
.border{ border-color:rgb(0, 215, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 215, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3516, 53.8213, 76.8265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 221) }
```

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

```
.background{ background-color: rgb(0, 215,  
221) }
```

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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