

# Converting Colors

XYZ(37.3516, 53.8215, 76.8265)

Have a look what the booklet for  
XYZ(37.3516, 53.8215, 76.8265)  
contains.

<b>XYZ(37.3516, 53.8213, 76.8265)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# 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

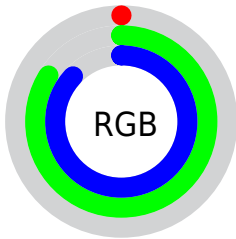
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 109, 221
Decimal	55261
CIELab	78.36, -40.48, -15.37
CIELCh	78, 43.296, 200.789
Yxy	53.8213, 0.2223, 0.3204
Android (android.graphics.Color)	4278245341 (0xFF00D7DD)
YUV	151.3990, 34.3133, -132.7769
Hunter-Lab	73.3630, -37.5048, -10.7350

# Details

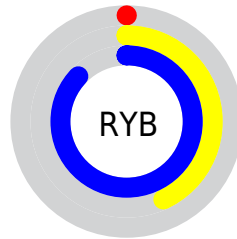
The XYZ color **37.3516, 53.8213, 76.8265** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.8853, 15.5040, 1.4191**, and the grayscale version is **29.4919, 31.0278, 33.7893**.

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



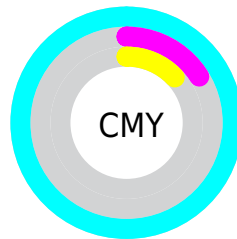
- Red (0%)
- Green (84%)
- Blue (87%)



- 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

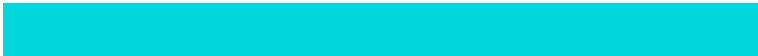
# Harmonies

## Analogous

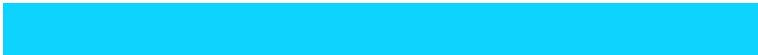
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



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



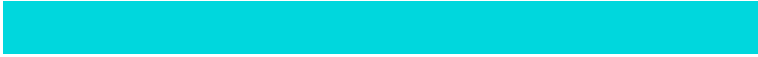
64.8867, 53.8213, 93.4368



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



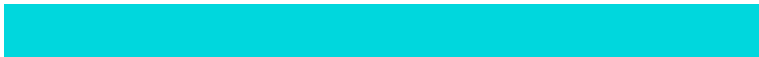
29.8853, 15.5040, 1.4191

# 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



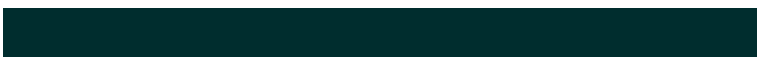
18.2939, 15.7046, 70.4747



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

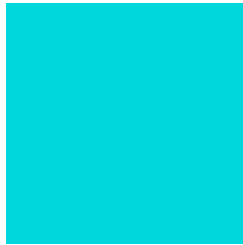


1.5892, 0.7653, 2.5118



# 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

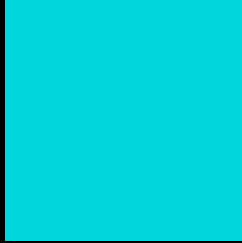
Any Text WCAG AA × Fail

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

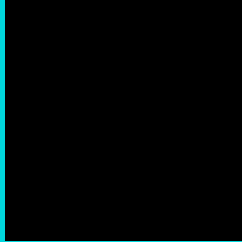
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

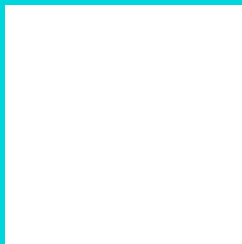
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**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

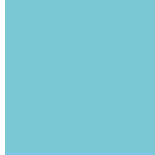
38.8137, 53.6651, 83.9140

# Trichromacy



## Original Color

37.3516, 53.8213, 76.8265



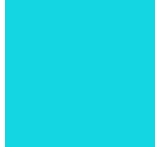
## Protanomaly

40.4382, 50.1493, 69.1765



## Deuteranomaly

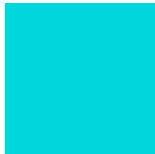
41.9531, 50.0354, 78.6808



## 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor