

# Converting Colors

XYZ(36.3212, 52.6554, 73.7245)

Have a look what the booklet for  
XYZ(36.3212, 52.6554, 73.7245)  
contains.

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# Color

**XYZ(36.3186, 52.5983,  
73.8839)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D5D9
RGB	0, 213, 217
RGB Percent	0%, 84%, 85%
CMY	0.9998, 0.1647, 0.1490
CMYK	1.00, 0.02, 0.00, 0.15
HSL	181°, 100%, 43%
HSV	181°, 100%, 85%
XYZ	36.3186, 52.5983, 73.8839
YIQ	149.7690, -128.2320, -43.9120

# Conversions

## Conversions Part 2

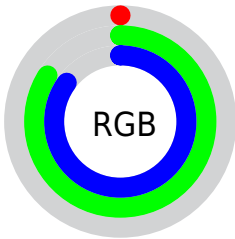
Format	Color
<a href="#">RYB</a>	<a href="#">0, 107, 217</a>
Decimal	<a href="#">54745</a>
CIELab	<a href="#">77.64, -40.78, -14.31</a>
CIELCh	<a href="#">78, 43.218, 199.330</a>
Yxy	<a href="#">52.5983, 0.2231, 0.3231</a>
Android (android.graphics.Color)	<a href="#">4278244825</a> ( <a href="#">0xFF00D5D9</a> )
YUV	<a href="#">149.7690, 33.1449, -131.3474</a>
Hunter-Lab	<a href="#">72.5247, -37.5297, -9.6339</a>

# Details

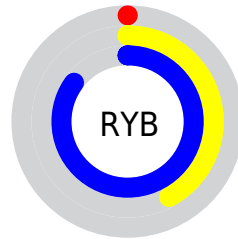
The XYZ color **36.3186, 52.5983, 73.8839** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.6599, 14.8399, 1.3552**, and the grayscale version is **28.8012, 30.3011, 32.9979**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.7484, 27.0624, 38.4178** is the 20% darker color. If you saturate the color by 10%, you get **36.3194, 52.5995, 73.8851**, and if you desaturate by 10%, it is **36.7457, 52.9691, 73.9339**.

# Distribution



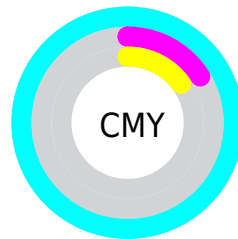
- Red (0%)
- Green (84%)
- Blue (85%)



- Red (0%)
- Yellow (42%)
- Blue (85%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (16%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3186, 52.5983, 73.8839 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 36.3186, 52.5983, 73.8839 by changing the saturation by 10% instead.



36.3186, 52.5983,  
73.8839

36.3186, 52.5983,  
73.8839

321.7580,  
396.7420, 493.2253

24.8516, 37.4822,  
54.2028

68.8442, 94.0130,  
126.4637

16.0947, 25.5810,  
38.3695

90.6335, 121.0804,  
160.1996

9.6824, 16.5105,  
25.9656

116.5943,  
152.9003, 199.4574

5.2496, 9.8861,  
16.5724

147.0919,  
189.8572, 244.6557

2.4307, 5.3235,  
9.7713

182.4918,  
232.3354, 296.2131

0.8604, 2.4383,  
5.1440

223.1591,

0.0000, 0.8455,

280.7194, 354.5482

2.2718

269.4594,  
335.3935, 420.0794

■ 0.0000, 0.0000,  
0.7153

■ 0.0000, 0.0000,  
0.0000

■ 36.3186, 52.5983,  
73.8839

■ 36.3186, 52.5983,  
73.8839

■ 36.3194, 52.5995,  
73.8851

■ 36.7457, 52.9691,  
73.9339

■ 37.5364, 53.5266,  
73.9999

■ 38.8123, 54.3346,  
74.0886

■ 40.6403, 55.4276,  
74.2032

■ 43.0769, 56.8347,  
74.3464

■ 46.1717, 58.5815,  
74.5204

■ 49.9691, 60.6908,  
74.7274

■ 54.5097, 63.1837,  
74.9693

■ 59.8309, 66.0794,  
75.2478

# Harmonies

## Analogous

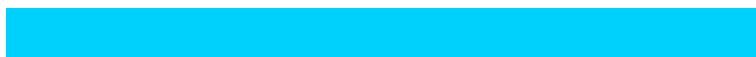
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.8137, 52.5983, 49.1702



36.3186, 52.5983, 73.8839



40.2406, 52.5983, 99.7179

# Triad

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



36.3186, 52.5983, 73.8839



63.1900, 52.5983, 92.7773



53.0258, 52.5983, 22.9201

# Complementary

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



36.3186, 52.5983, 73.8839



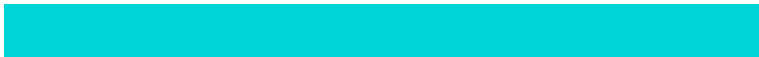
28.6599, 14.8399, 1.3552

# 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.



61.2063, 52.5983, 28.9894



36.3186, 52.5983, 73.8839



67.4938, 52.5983, 66.2151

# Square

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



36.3186, 52.5983, 73.8839



55.4997, 52.5983, 112.5571



66.7300, 52.5983, 43.3554



44.8634, 52.5983, 23.9103



# Rectangle

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



36.3186, 52.5983, 73.8839



44.5360, 52.5983, 111.9812



66.7300, 52.5983, 43.3554



55.8787, 52.5983, 24.1163

# Sweetspot

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



36.3202, 52.6002, 73.8852



71.8369, 87.3680, 107.6853



24.8339, 49.6348, 8.3768



14.8532, 18.4109, 23.0208



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.



36.3202, 52.6002, 73.8852



52.3291, 75.7782, 106.4764



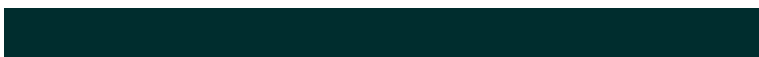
17.5674, 15.0946, 67.6342



13.4232, 14.7862, 16.7987



21.9947, 31.8588, 44.7285



1.4316, 2.0774, 2.9000



# Inverse Universe

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



40.6268, 19.5572, 64.5866



58.5425, 28.1810, 93.0438



34.4256, 26.3713, 3.2771



13.6035, 13.2705, 16.4392



24.5972, 11.8399, 39.1206

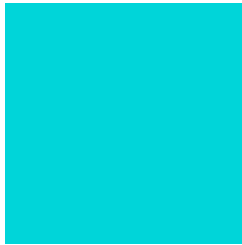


1.5969, 0.7684, 2.5522



# Previews

## White Background



This preview shows how the XYZ color 36.3186, 52.5983, 73.8839 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

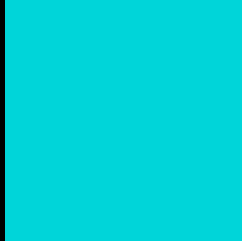
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.3186, 52.5983, 73.8839 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

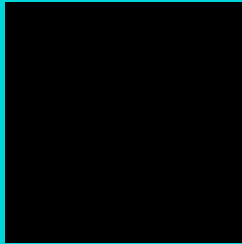
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

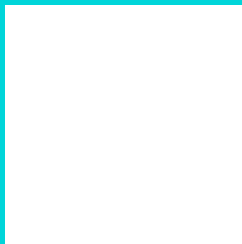
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.3186, 52.5983, 73.8839**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.3186, 52.5983, 73.8839.



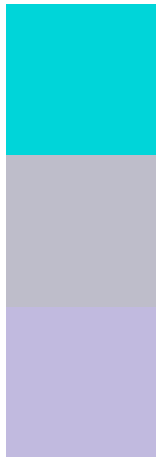
This preview shows how white text looks on a background with the XYZ color 36.3186, 52.5983,



# 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

36.3186, 52.5983, 73.8839

### Protanopia

50.0935, 51.6066, 63.1980

### Deuteranopia

52.8705, 51.7830, 77.0206



## Tritanopia

37.9575, 52.5300, 81.5375

# Trichromacy



## Original Color

36.3186, 52.5983, 73.8839



## Protanomaly

39.3417, 48.9581, 66.4078



## Deuteranomaly

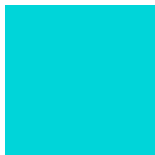
40.9595, 48.9113, 75.6886



## Tritanomaly

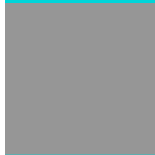
37.3289, 52.6394, 78.7140

# Monochromacy



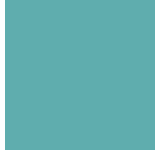
## Original Color

36.3186, 52.5983, 73.8839



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

27.3029, 35.3760, 45.4336

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.3186, 52.5983, 73.8839 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 36.3186, 52.5983, 73.8839 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, 217) }
```



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

```
.border{ border-color:rgb(0, 213, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.3186, 52.5983, 73.8839 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, 217) }
```

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

```
.background{ background-color: rgb(0, 213,  
217) }
```

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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