

# Converting Colors

XYZ(37.5786, 55.3393, 73.6223)

Have a look what the booklet for  
XYZ(37.5786, 55.3393, 73.6223)  
contains.

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# Color

**XYZ(37.4661, 55.1007,  
73.6266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DAD8
RGB	0, 218, 216
RGB Percent	0%, 85%, 85%
CMY	0.9998, 0.1451, 0.1529
CMYK	1.00, 0.00, 0.01, 0.15
HSL	179°, 100%, 43%
HSV	179°, 100%, 85%
XYZ	37.4661, 55.1007, 73.6266
YIQ	152.5900, -129.2860, -46.8380

# Conversions

## Conversions Part 2

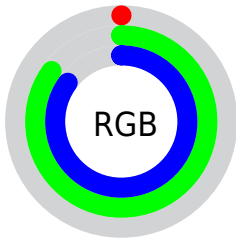
Format	Color
<a href="#">RYB</a>	0, 110, 218
Decimal	56024
CIELab	79.10, -43.30, -11.58
CIELCh	79, 44.823, 194.973
Yxy	55.1007, 0.2254, 0.3315
Android (android.graphics.Color)	4278246104 (0xFF00DAD8)
YUV	152.5900, 31.2611, -133.8214
Hunter-Lab	74.2298, -39.8078, -6.8473

# Details

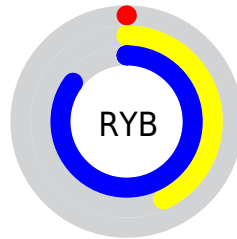
The XYZ color **37.4661, 55.1007, 73.6266** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.9262, 14.9116, 1.4127**, and the grayscale version is **30.0167, 31.5799, 34.3905**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **19.3534, 28.4139, 38.1826** is the 20% darker color. If you saturate the color by 10%, you get **37.4670, 55.1024, 73.6276**, and if you desaturate by 10%, it is **37.8207, 55.2817, 73.7797**.

# Distribution



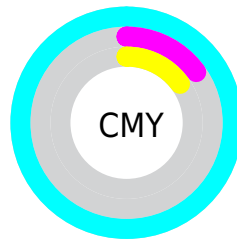
- Red (0%)
- Green (85%)
- Blue (85%)



- Red (0%)
- Yellow (43%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4661, 55.1007, 73.6266 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 37.4661, 55.1007, 73.6266 by changing the saturation by 10% instead.



37.4661, 55.1007,  
73.6266

37.4661, 55.1007,  
73.6266

326.6447,  
406.2935, 492.3125

25.7439, 39.4824,  
53.9935

70.5983, 97.6885,  
126.0955

16.7638, 27.1352,  
38.2034

92.7389, 125.4267,  
159.7684

10.1605, 17.6748,  
25.8375

119.0831,  
157.9737, 198.9584

5.5686, 10.7167,  
16.4774

149.9962,  
195.7138, 244.0839

2.6227, 5.8767,  
9.7046

185.8436,  
239.0314, 295.5635

0.9575, 2.7703,  
5.1005

226.9906,

0.0000, 1.0130,

288.3110, 353.8158

2.2466

273.8025,  
343.9369, 419.2593

■ 0.0000, 0.0000,  
0.7011

■ 0.0000, 0.0000,  
0.0000

■ 37.4661, 55.1007,  
73.6266

■ 37.4661, 55.1007,  
73.6266

■ 37.4670, 55.1024,  
73.6276

■ 37.8207, 55.2817,  
73.7797

■ 38.5429, 55.6510,  
73.9488

■ 39.7551, 56.2729,  
74.1411

■ 41.5252, 57.1825,  
74.3597

■ 43.9104, 58.4091,  
74.6072

■ 46.9607, 59.9785,  
74.8860

■ 50.7211, 61.9141,  
75.1982

■ 55.2326, 64.2368,  
75.5457

■ 60.5331, 66.9663,  
75.9303

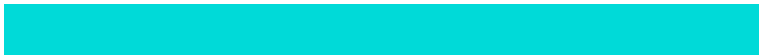
# Harmonies

## Analogous

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



37.4694, 55.1007, 48.1211



37.4661, 55.1007, 73.6266



41.1335, 55.1007, 101.9225

# Triad

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



37.4661, 55.1007, 73.6266



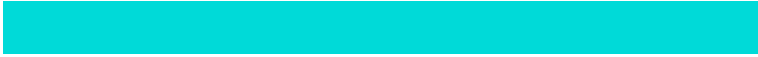
65.4767, 55.1007, 101.9691



56.9534, 55.1007, 23.9171

# Complementary

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



37.4661, 55.1007, 73.6266



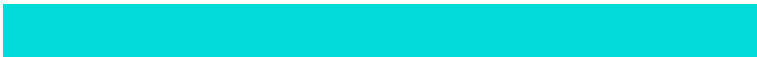
28.9262, 14.9116, 1.4127

# 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.



65.4900, 55.1007, 31.5062



37.4661, 55.1007, 73.6266



70.7784, 55.1007, 73.6779

# Square

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



37.4661, 55.1007, 73.6266



56.9369, 55.1007, 121.1856



70.7835, 55.1007, 48.1597



48.0570, 55.1007, 23.9107



# Rectangle

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



37.4661, 55.1007, 73.6266



45.4346, 55.1007, 116.5339



70.7835, 55.1007, 48.1597



59.9810, 55.1007, 25.5436

# Sweetspot

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



37.4678, 55.1027, 73.6279



72.1721, 88.2191, 107.2400



25.1187, 50.1684, 8.3611



14.9350, 18.6185, 22.9121



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.



37.4678, 55.1027, 73.6279



53.4352, 78.5901, 104.9963



18.5233, 16.7972, 68.5977



13.4395, 14.8274, 16.7772



22.4483, 33.0119, 44.1217



1.4560, 2.1394, 2.8674



# Inverse Universe

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



28.9262, 14.9116, 1.4127



41.2528, 21.2651, 1.9976



34.0067, 25.0900, 3.0520



13.0609, 13.0535, 13.5819



17.3309, 8.9334, 0.8566

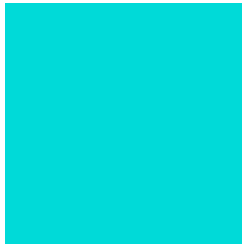


1.1245, 0.5794, 0.0647



# Previews

## White Background



This preview shows how the XYZ color 37.4661, 55.1007, 73.6266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

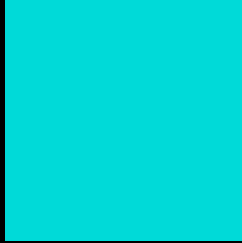
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.4661, 55.1007, 73.6266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

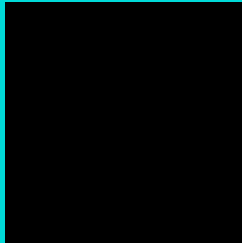
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

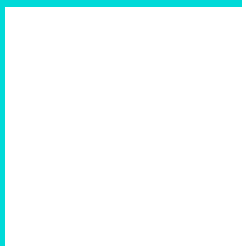
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.4661, 55.1007, 73.6266**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.4661, 55.1007, 73.6266.



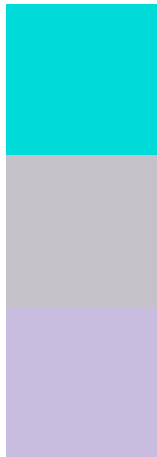
This preview shows how white text looks on a background with the XYZ color 37.4661, 55.1007,



# 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

37.4661, 55.1007, 73.6266

### Protanopia

52.3775, 54.0927, 62.9387

### Deuteranopia

55.2018, 53.9485, 76.6109



## Tritanopia

39.9229, 54.9555, 85.5941

# Trichromacy



## Original Color

37.4661, 55.1007, 73.6266



## Protanomaly

40.7186, 51.0573, 66.1015



## Deuteranomaly

42.3249, 50.9879, 75.3210



## Tritanomaly

38.8470, 54.8774, 81.2180

# Monochromacy



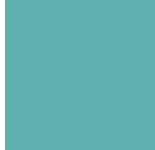
## Original Color

37.4661, 55.1007, 73.6266



## Achromatopsia

30.2779, 31.8547, 34.6897



## Achromatomaly

28.4884, 37.1203, 46.7377

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.4661, 55.1007, 73.6266 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, 218, 216)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 216)  
}
```

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, 218, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 37.4661, 55.1007, 73.6266 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, 218, 216) }
```



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

```
.border{ border-color:rgb(0, 218, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 218, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.4661, 55.1007, 73.6266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 218, 216) }
```

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

```
.background{ background-color: rgb(0, 218,  
216) }
```

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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