

# Converting Colors

XYZ(35.8095, 52.8793, 69.7083)

Have a look what the booklet for  
XYZ(35.8095, 52.8793, 69.7083)  
contains.

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# Color

**XYZ(35.8044, 52.7963,  
69.9316)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 00D6D3                        |
| RGB         | 0, 214, 211                   |
| RGB Percent | 0%, 84%, 83%                  |
| CMY         | 0.9998, 0.1608, 0.1725        |
| CMYK        | 1.00, 0.00, 0.01, 0.16        |
| HSL         | 179°, 100%, 42%               |
| HSV         | 179°, 100%, 84%               |
| XYZ         | 35.8044, 52.7963, 69.9316     |
| YIQ         | 149.6720, -126.5810, -46.3010 |

# Conversions

## Conversions Part 2

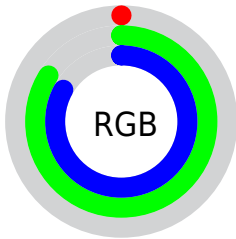
| Format                              | Color                           |
|-------------------------------------|---------------------------------|
| <a href="#">RYB</a>                 | 0, 108, 214                     |
| Decimal                             | 54995                           |
| CIELab                              | 77.75, -43.01, -10.91           |
| CIELCh                              | 78, 44.370, 194.237             |
| Yxy                                 | 52.7963, 0.2258,<br>0.3330      |
| Android<br>(android.graphics.Color) | 4278245075<br>(0xFF00D6D3)      |
| YUV                                 | 149.6720, 30.2347,<br>-131.2623 |
| Hunter-Lab                          | 72.6611, -39.1994,<br>-6.2001   |

# Details

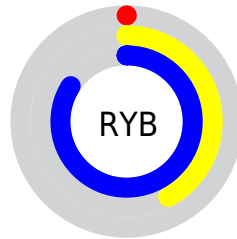
The XYZ color **35.8044, 52.7963, 69.9316** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.7497, 14.3043, 1.3859**, and the grayscale version is **28.7713, 30.2697, 32.9637**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **18.3127, 26.8880, 36.1230** is the 20% darker color. If you saturate the color by 10%, you get **35.8053, 52.7979, 69.9324**, and if you desaturate by 10%, it is **36.1619, 52.9774, 70.1462**.

# Distribution



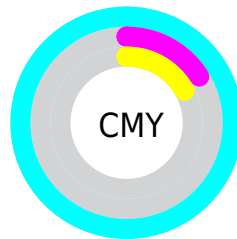
- Red (0%)
- Green (84%)
- Blue (83%)



- Red (0%)
- Yellow (42%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)




- Cyan (100%)
- Magenta (16%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8044, 52.7963, 69.9316 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 35.8044, 52.7963, 69.9316 by changing the saturation by 10% instead.





 35.8044, 52.7963,  
69.9316


 35.8044, 52.7963,  
69.9316


319.5510,  
397.5031, 479.0924


 24.4526, 37.6402,  
50.9943


 68.0559, 94.3046,  
120.7914


 15.7962, 25.7035,  
35.8274


 89.6863, 121.4255,  
153.5510

 9.4700, 16.6020,  
24.0123


 115.4736,  
153.3035, 191.7551

 5.1086, 9.9511,  
15.1304

 145.7831,  
190.3229, 235.8223

 2.3465, 5.3666,  
8.7633

 180.9803,  
232.8682, 286.1711

 0.8183, 2.4639,  
4.4924

221.4304,

 0.0000, 0.8585,

281.3237, 343.2200

1.8992

267.4989,  
336.0739, 407.3876

■ 0.0000, 0.0000,  
0.4922

■ 0.0000, 0.0000,  
0.0000

■ 35.8044, 52.7963,  
69.9316

■ 35.8044, 52.7963,  
69.9316

■ 35.8053, 52.7979,  
69.9324

■ 36.1619, 52.9774,  
70.1462

■ 36.8707, 53.3384,  
70.3764

■ 38.0491, 53.9415,  
70.6290

■ 39.7619, 54.8201,  
70.9070

■ 42.0636, 56.0023,  
71.2129

■ 45.0021, 57.5128,  
71.5489

■ 48.6203, 59.3736,  
71.9171

■ 52.9575, 61.6051,  
72.3194

■ 58.0498, 64.2259,  
72.7573

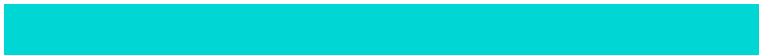
# Harmonies

## Analogous

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



35.8955, 52.7963, 45.5613



35.8044, 52.7963, 69.9316



39.2459, 52.7963, 97.2380

# Triad

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



35.8044, 52.7963, 69.9316



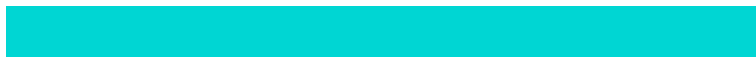
62.6182, 52.7963, 98.5095



54.8069, 52.7963, 22.9034

# Complementary

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



35.8044, 52.7963, 69.9316



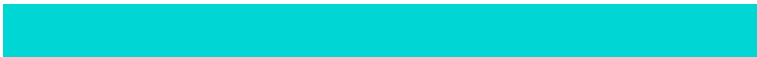
27.7497, 14.3043, 1.3859

# 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.



62.9798, 52.7963, 30.3821



35.8044, 52.7963, 69.9316



67.8289, 52.7963, 71.3290

# Square

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



35.8044, 52.7963, 69.9316



54.3570, 52.7963, 116.6612



67.9683, 52.7963, 46.6126



46.2251, 52.7963, 22.7272



# Rectangle

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



35.8044, 52.7963, 69.9316



43.3343, 52.7963, 111.5263



67.9683, 52.7963, 46.6126



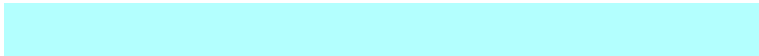
57.7141, 52.7963, 24.5241

# Sweetspot

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



35.8060, 52.7983, 69.9329



72.1127, 88.1953, 106.9271



24.0928, 48.1182, 8.0192



14.9205, 18.6127, 22.8357



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.



35.8060, 52.7983, 69.9329



53.2393, 78.5117, 103.9646



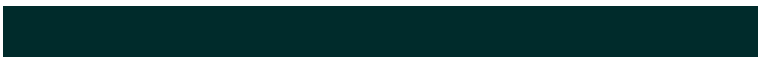
17.7784, 16.1351, 65.7978



12.7843, 14.1047, 15.9447



21.6448, 31.9133, 42.2865



1.3080, 1.9258, 2.5635



# Inverse Universe

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



27.7497, 14.3043, 1.3859



41.2596, 21.2678, 2.0332



32.6287, 24.0886, 2.9311



12.4303, 12.4236, 12.9400



16.7751, 8.6463, 0.8536

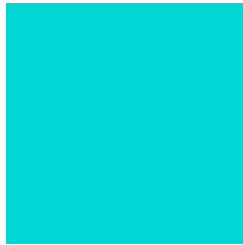


1.0143, 0.5225, 0.0649



# Previews

## White Background



This preview shows how the XYZ color 35.8044, 52.7963, 69.9316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

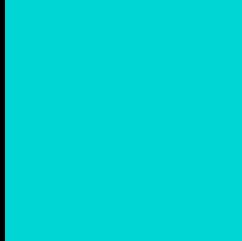
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.8044, 52.7963, 69.9316 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

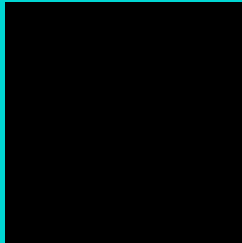
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

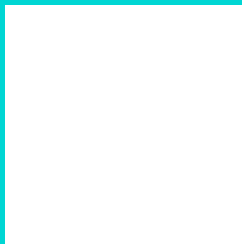
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.8044, 52.7963, 69.9316**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.8044, 52.7963, 69.9316.



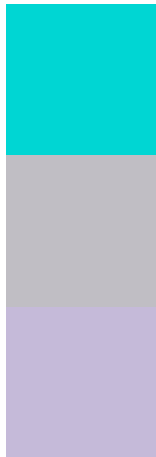
This preview shows how white text looks on a background with the XYZ color 35.8044, 52.7963,



# 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

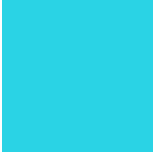
35.8044, 52.7963, 69.9316

### Protanopia

50.1155, 52.0189, 59.6238

### Deuteranopia

53.1092, 51.9979, 72.8831



## **Tritanopia**

38.3920, 52.7379, 82.2847

# Trichromacy



## Original Color

35.8044, 52.7963, 69.9316



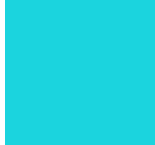
## Protanomaly

38.9921, 49.2015, 62.7001



## Deuteranomaly

40.4631, 48.7461, 71.5663



## Tritanomaly

37.1803, 52.5939, 77.2993

# Monochromacy



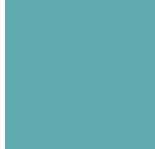
## Original Color

35.8044, 52.7963, 69.9316



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

27.1093, 35.2986, 44.4142

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.8044, 52.7963, 69.9316 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, 214, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 211)  
}
```

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, 214, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 35.8044, 52.7963, 69.9316 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, 214, 211) }
```



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

```
.border{ border-color:rgb(0, 214, 211) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.8044, 52.7963, 69.9316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 211) }
```

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

```
.background{ background-color: rgb(0, 214,  
211) }
```

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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