

Converting Colors

XYZ(26.0510, 48.4753, 63.6123)

Have a look what the booklet for
XYZ(26.0510, 48.4753, 63.6123)
contains.

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Color

**XYZ(35.2165, 53.3760,
64.3236)**

Conversions

Conversions Part 1

Format	Color
Hex	00D8CA
RGB	0, 216, 202
RGB Percent	0%, 85%, 79%
CMY	0.9998, 0.1529, 0.2078
CMYK	1.00, 0.00, 0.06, 0.15
HSL	176°, 100%, 42%
HSV	176°, 100%, 85%
XYZ	35.2165, 53.3760, 64.3236
YIQ	149.8200, -124.2420, -50.1460

Conversions

Conversions Part 2

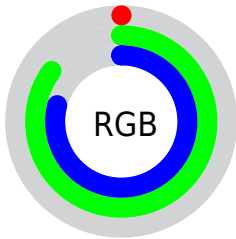
Format	Color
RYB	0, 112, 216
Decimal	55498
CIELab	78.10, -46.47, -5.58
CIELCh	78, 46.802, 186.848
Yxy	53.3760, 0.2303, 0.3491
Android (android.graphics.Color)	4278245578 (0xFF00D8CA)
YUV	149.8200, 25.7247, -131.3921
Hunter-Lab	73.0589, -41.8109, -1.0598

Details

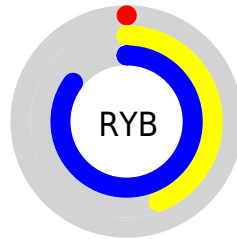
The XYZ color **35.2165, 53.3760, 64.3236** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.3999, 14.6321, 1.7444**, and the grayscale version is **28.8512, 30.3537, 33.0552**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **17.9161, 27.2797, 32.3382** is the 20% darker color. If you saturate the color by 10%, you get **35.2172, 53.3776, 64.3232**, and if you desaturate by 10%, it is **35.7072, 53.6109, 65.2174**.

Distribution



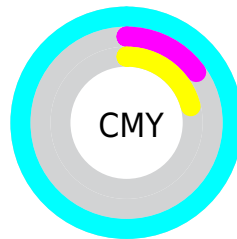
- Red (0%)
- Green (85%)
- Blue (79%)



- Red (0%)
- Yellow (44%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2165, 53.3760, 64.3236 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 35.2165, 53.3760, 64.3236 by changing the saturation by 10% instead.

 35.2165, 53.3760,
64.3236


 35.2165, 53.3760,
64.3236


317.0142,
399.7260, 458.5968


 23.9970, 38.1030,
46.4650


 67.1528, 95.1574,
112.6808


 15.4561, 26.0627,
32.2616

 88.6004, 122.4346,
144.0164


 9.2285, 16.8705,
21.2949


 114.1880,
154.4821, 180.6815

 4.9488, 10.1422,
13.1464

 144.2810,
191.6841, 223.0945

 2.2517, 5.4934,
7.3975

 179.2448,
234.4251, 271.6739

 0.7698, 2.5395,
3.6297

219.4446,

 0.0000, 0.8964,

283.0895, 326.8385

1.4245

265.2460,
338.0617, 389.0066

■ 0.0000, 0.0000,
0.1607

■ 0.0000, 0.0000,
0.0000

■ 35.2165, 53.3760,
64.3236

■ 35.2165, 53.3760,
64.3236

■ 35.2172, 53.3776,
64.3232

■ 35.7072, 53.6109,
65.2174

■ 36.5587, 54.0305,
66.1347

■ 37.8915, 54.6979,
67.0825

■ 39.7717, 55.6475,
68.0638

■ 42.2554, 56.9079,
69.0813

■ 45.3913, 58.5044,
70.1372

■ 49.2235, 60.4597,
71.2337

■ 53.7921, 62.7944,
72.3727

■ 59.1341, 65.5277,
73.5559

Harmonies

Analogous

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



36.2368, 53.3760, 40.5001



35.2165, 53.3760, 64.3236



37.9361, 53.3760, 93.8003

Triad

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



35.2165, 53.3760, 64.3236



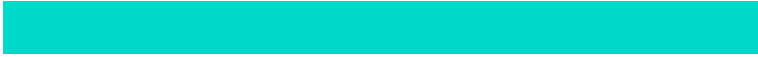
62.0102, 53.3760, 108.3740



57.9553, 53.3760, 23.0527

Complementary

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



35.2165, 53.3760, 64.3236



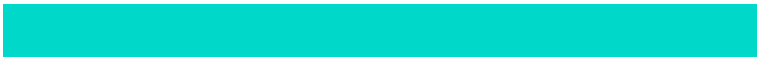
28.3999, 14.6321, 1.7444

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.



66.1241, 53.3760, 32.8713



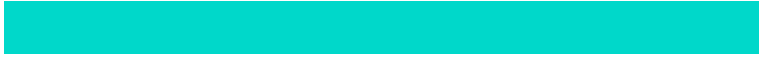
35.2165, 53.3760, 64.3236



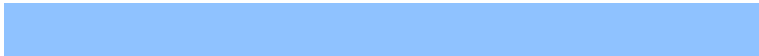
68.6544, 53.3760, 80.2207

Square

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



35.2165, 53.3760, 64.3236



52.8554, 53.3760, 123.7260



70.2437, 53.3760, 52.3238



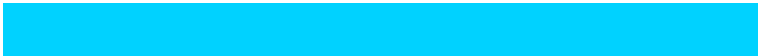
48.6668, 53.3760, 21.1165

Rectangle

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



35.2165, 53.3760, 64.3236



41.7214, 53.3760, 111.2178



70.2437, 53.3760, 52.3238



60.9554, 53.3760, 25.3587

Sweetspot

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



35.2181, 53.3780, 64.3249



71.4967, 87.9489, 103.6831



24.7449, 49.2104, 8.1956



14.7704, 18.5527, 22.0456



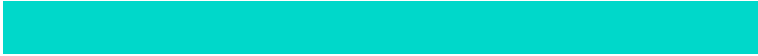
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.2181, 53.3780, 64.3249



51.2614, 77.7206, 93.5492



19.4068, 18.9807, 67.6087



12.7558, 14.0933, 15.7945



20.8599, 31.5993, 38.1536



1.2689, 1.9102, 2.3578

Inverse Universe

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



28.3999, 14.6321, 1.7444



41.3376, 21.2990, 2.4437



32.2895, 22.5384, 2.6497



12.4556, 12.4337, 13.0734



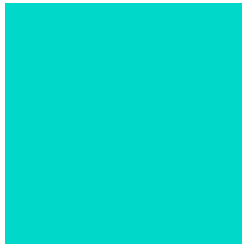
16.8228, 8.6654, 1.1049



1.0264, 0.5273, 0.1284

Previews

White Background



This preview shows how the XYZ color 35.2165, 53.3760, 64.3236 looks on a white background.

Color Contrast Check

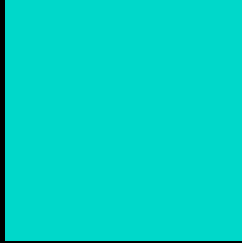
Large Text (above 18pt) WCAG AA × Fail

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 35.2165, 53.3760, 64.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

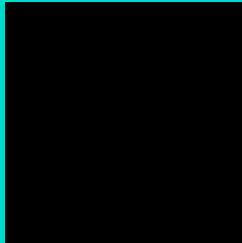
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

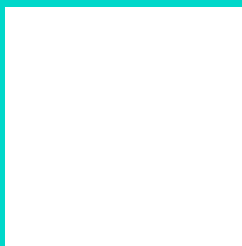
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.2165, 53.3760, 64.3236

Background



This preview shows how black text looks on a background with the XYZ color 35.2165, 53.3760, 64.3236.

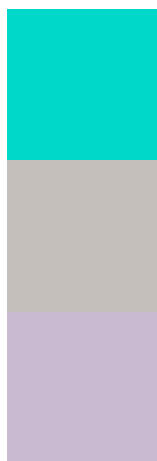


This preview shows how white text looks on a background with the XYZ color 35.2165, 53.3760,

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

35.2165, 53.3760, 64.3236

Protanopia

50.3654, 52.5852, 54.5091

Deuteranopia

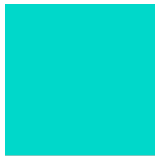
53.4247, 52.2778, 67.5964



Tritanopia

39.0017, 53.4222, 82.3847

Trichromacy



Original Color

35.2165, 53.3760, 64.3236



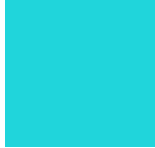
Protanomaly

38.6262, 49.4743, 57.3829



Deuteranomaly

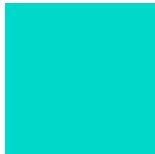
40.1601, 49.0559, 65.7446



Tritanomaly

37.1761, 53.0100, 75.2904

Monochromacy



Original Color

35.2165, 53.3760, 64.3236



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.0168, 35.5696, 42.9778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2165, 53.3760, 64.3236 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, 216, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 202)  
}
```

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, 216, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 202) }
```

Border

The CSS property to change the border of an element to XYZ 35.2165, 53.3760, 64.3236 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, 216, 202) }
```


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

```
.border{ border-color:rgb(0, 216, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 216, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2165, 53.3760, 64.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 202) }
```

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

```
.background{ background-color: rgb(0, 216,  
202) }
```

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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