

Converting Colors

XYZ(30.4552, 50.3927, 67.1624)

Have a look what the booklet for
XYZ(30.4552, 50.3927, 67.1624)
contains.

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Color

**XYZ(35.5629, 53.1059,
67.4076)**

Conversions

Conversions Part 1

Format	Color
Hex	00D7CF
RGB	0, 215, 207
RGB Percent	0%, 84%, 81%
CMY	0.9998, 0.1568, 0.1882
CMYK	1.00, 0.00, 0.04, 0.16
HSL	178°, 100%, 42%
HSV	178°, 100%, 84%
XYZ	35.5629, 53.1059, 67.4076
YIQ	149.8030, -125.5720, -48.0680

Conversions

Conversions Part 2

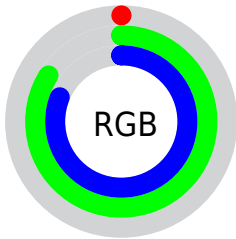
Format	Color
RYB	0, 110, 215
Decimal	55247
CIELab	77.94, -44.61, -8.50
CIELCh	78, 45.411, 190.782
Yxy	53.1059, 0.2279, 0.3403
Android (android.graphics.Color)	4278245327 (0xFF00D7CF)
YUV	149.8030, 28.1981, -131.3772
Hunter-Lab	72.8738, -40.4199, -3.8311

Details

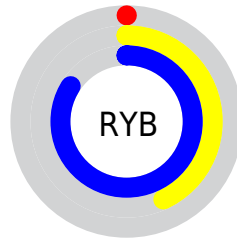
The XYZ color **35.5629, 53.1059, 67.4076** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.0698, 14.4661, 1.5438**, and the grayscale version is **28.8345, 30.3361, 33.0361**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **18.1479, 27.0962, 34.4106** is the 20% darker color. If you saturate the color by 10%, you get **35.5637, 53.1075, 67.4078**, and if you desaturate by 10%, it is **35.9830, 53.3123, 67.9406**.

Distribution



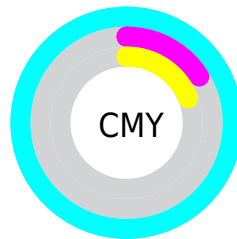
- Red (0%)
- Green (84%)
- Blue (81%)



- Red (0%)
- Yellow (43%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)




- Cyan (100%)
- Magenta (16%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5629, 53.1059, 67.4076 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 35.5629, 53.1059, 67.4076 by changing the saturation by 10% instead.


 35.5629, 53.1059,
67.4076


 35.5629, 53.1059,
67.4076


318.5107,
398.6913, 469.9352


 24.2653, 37.8873,
48.9523


 67.6852, 94.7602,
117.1505


 15.6564, 25.8952,
34.2163


 89.2406, 121.9647,
149.2751


 9.3706, 16.7453,
22.7811


 114.9460,
153.9332, 186.7932

 5.0427, 10.0531,
14.2282

 145.1668,
191.0503, 230.1233

 2.3074, 5.4341,
8.1390

 180.2683,
233.7002, 279.6841

 0.7984, 2.5042,
4.0950

220.6159,

 0.0000, 0.8787,

282.2675, 335.8939

1.6776

266.5749,
337.1363, 399.1714

■ 0.0000, 0.0000,
0.3453

■ 0.0000, 0.0000,
0.0000

■ 35.5629, 53.1059,
67.4076

■ 35.5629, 53.1059,
67.4076

■ 35.5637, 53.1075,
67.4078

■ 35.9830, 53.3123,
67.9406

■ 36.7588, 53.7008,
68.4916

■ 38.0097, 54.3343,
69.0675

■ 39.8013, 55.2464,
69.6712

■ 42.1887, 56.4655,
70.3055

■ 45.2203, 58.0168,
70.9725

■ 48.9396, 59.9225,
71.6743

■ 53.3862, 62.2030,
72.4128

■ 58.5969, 64.8774,
73.1896

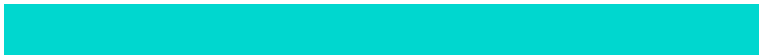
Harmonies

Analogous

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



36.0774, 53.1059, 43.2454



35.5629, 53.1059, 67.4076



38.6771, 53.1059, 95.7662

Triad

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



35.5629, 53.1059, 67.4076



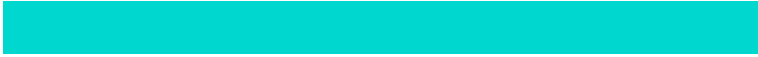
62.4010, 53.1059, 103.0245



56.2747, 53.1059, 22.9823

Complementary

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



35.5629, 53.1059, 67.4076



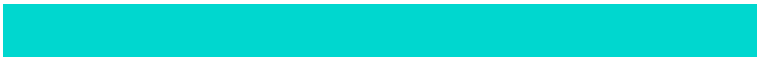
28.0698, 14.4661, 1.5438

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.



64.4581, 53.1059, 31.5169



35.5629, 53.1059, 67.4076



68.2704, 53.1059, 75.3564

Square

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



35.5629, 53.1059, 67.4076



53.7197, 53.1059, 119.9711



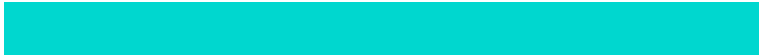
69.0643, 53.1059, 49.1935



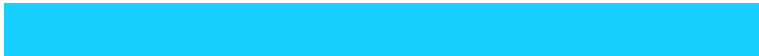
47.3647, 53.1059, 21.9957

Rectangle

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



35.5629, 53.1059, 67.4076



42.6311, 53.1059, 111.5082



69.0643, 53.1059, 49.1935



59.2277, 53.1059, 24.9141

Sweetspot

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



35.5645, 53.1079, 67.4089



71.8299, 88.0822, 105.4378



24.4368, 48.6724, 8.1080



14.8515, 18.5852, 22.4727



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.



35.5645, 53.1079, 67.4089



52.3191, 78.1436, 99.1190



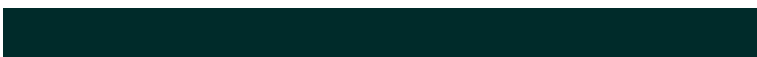
18.7771, 17.9276, 66.7629



12.7713, 14.0995, 15.8760



21.2798, 31.7673, 40.3647



1.2899, 1.9186, 2.4682

Inverse Universe

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



28.0698, 14.4661, 1.5438



41.2920, 21.2808, 2.2039



32.2795, 22.9556, 2.7308



12.4418, 12.4282, 13.0008



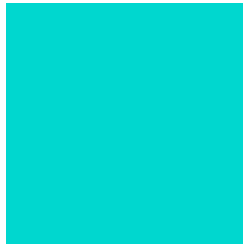
16.7968, 8.6550, 0.9679



1.0198, 0.5247, 0.0939

Previews

White Background



This preview shows how the XYZ color 35.5629, 53.1059, 67.4076 looks on a white background.

Color Contrast Check

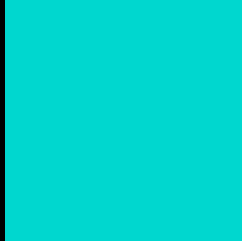
Large Text (above 18pt) WCAG AA × Fail

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 35.5629, 53.1059, 67.4076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

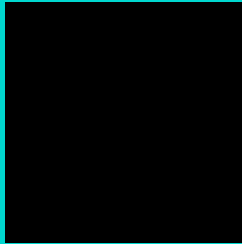
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

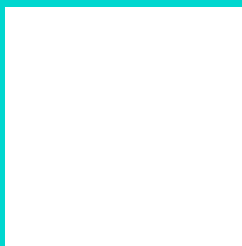
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.5629, 53.1059, 67.4076

Background



This preview shows how black text looks on a background with the XYZ color 35.5629, 53.1059, 67.4076.

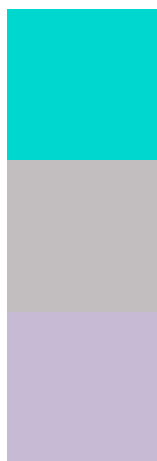


This preview shows how white text looks on a background with the XYZ color 35.5629, 53.1059,

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

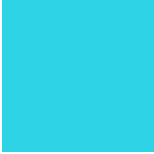
35.5629, 53.1059, 67.4076

Protanopia

50.1760, 52.1020, 57.2813

Deuteranopia

53.1223, 52.0640, 70.2003



Tritanopia

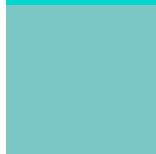
38.8131, 53.3250, 82.3758

Trichromacy



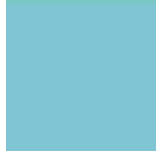
Original Color

35.5629, 53.1059, 67.4076



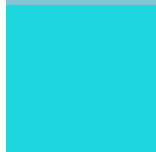
Protanomaly

38.6698, 49.0890, 60.2603



Deuteranomaly

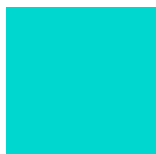
40.4765, 49.1477, 68.9811



Tritanomaly

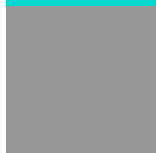
37.3521, 53.0702, 76.6815

Monochromacy



Original Color

35.5629, 53.1059, 67.4076



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.2061, 35.6453, 43.9744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5629, 53.1059, 67.4076 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 207) }
```

Border

The CSS property to change the border of an element to XYZ 35.5629, 53.1059, 67.4076 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, 207) }
```


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

```
.border{ border-color:rgb(0, 215, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5629, 53.1059, 67.4076 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, 207) }
```

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

```
.background{ background-color: rgb(0, 215,  
207) }
```

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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