

Converting Colors

XYZ(36.6240, 54.0969, 71.2484)

Have a look what the booklet for
XYZ(36.6240, 54.0969, 71.2484)
contains.

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Color

**XYZ(36.5661, 53.9158,
71.4304)**

Conversions

Conversions Part 1

Format	Color
Hex	00D8D5
RGB	0, 216, 213
RGB Percent	0%, 85%, 84%
CMY	0.9998, 0.1529, 0.1647
CMYK	1.00, 0.00, 0.01, 0.15
HSL	179°, 100%, 42%
HSV	179°, 100%, 85%
XYZ	36.5661, 53.9158, 71.4304
YIQ	151.0740, -127.7730, -46.7250

Conversions

Conversions Part 2

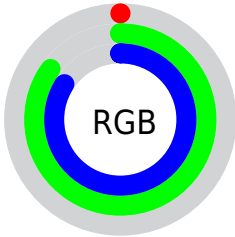
Format	Color
RYB	0, 109, 216
Decimal	55509
CIELab	78.41, -43.30, -11.00
CIELCh	78, 44.677, 194.255
Yxy	53.9158, 0.2258, 0.3330
Android (android.graphics.Color)	4278245589 (0xFF00D8D5)
YUV	151.0740, 30.5295, -132.4919
Hunter-Lab	73.4274, -39.6067, -6.2783

Details

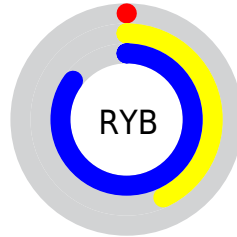
The XYZ color **36.5661, 53.9158, 71.4304** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.3371, 14.6072, 1.4136**, and the grayscale version is **29.3668, 30.8961, 33.6459**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.7424, 27.6102, 36.6892** is the 20% darker color. If you saturate the color by 10%, you get **36.5670, 53.9174, 71.4312**, and if you desaturate by 10%, it is **36.9285, 54.0994, 71.6477**.

Distribution



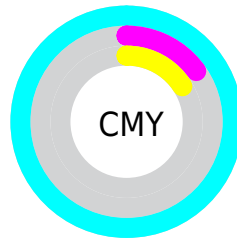
- Red (0%)
- Green (85%)
- Blue (84%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5661, 53.9158, 71.4304 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 36.5661, 53.9158, 71.4304 by changing the saturation by 10% instead.


 36.5661, 53.9158,
71.4304


 36.5661, 53.9158,
71.4304


322.8164,
401.7889, 484.4807


 25.0439, 38.5343,
52.2095


 69.2231, 95.9506,
122.9465


 16.2386, 26.3977,
36.7887


 91.0886, 123.3727,
156.0789


 9.7851, 17.1214,
24.7494


 117.1325,
155.5772, 194.6854

 5.3179, 10.3211,
15.6732

 147.7203,
192.9485, 239.1848

 2.4716, 5.6124,
9.1413

 183.2172,
235.8709, 289.9955

 0.8810, 2.6108,
4.7354

223.9886,

 0.0000, 0.9321,

284.7288, 347.5360

2.0369

270.3999,
339.9067, 412.2249

■ 0.0000, 0.0000,
0.5778

■ 0.0000, 0.0000,
0.0000

■ 36.5661, 53.9158,
71.4304

■ 36.5661, 53.9158,
71.4304

■ 36.5670, 53.9174,
71.4312

■ 36.9285, 54.0994,
71.6477

■ 37.6503, 54.4671,
71.8810

■ 38.8519, 55.0821,
72.1371

■ 40.5996, 55.9786,
72.4191

■ 42.9493, 57.1855,
72.7297

■ 45.9498, 58.7279,
73.0711

■ 49.6451, 60.6284,
73.4453

■ 54.0754, 62.9079,
73.8544

■ 59.2777, 65.5853,
74.2999

Harmonies

Analogous

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



36.6568, 53.9158, 46.5416



36.5661, 53.9158, 71.4304



40.0825, 53.9158, 99.3107

Triad

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



36.5661, 53.9158, 71.4304



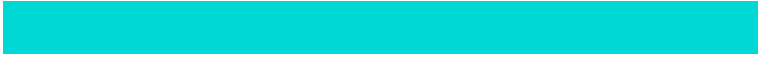
63.9491, 53.9158, 100.5772



55.9629, 53.9158, 23.3895

Complementary

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



36.5661, 53.9158, 71.4304



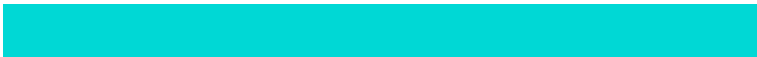
28.3371, 14.6072, 1.4136

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.



64.3093, 53.9158, 31.0213



36.5661, 53.9158, 71.4304



69.2668, 53.9158, 72.8223

Square

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



36.5661, 53.9158, 71.4304



55.5148, 53.9158, 119.1205



69.4057, 53.9158, 47.5888



47.2006, 53.9158, 23.2139

Rectangle

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



36.5661, 53.9158, 71.4304



44.2584, 53.9158, 113.8945



69.4057, 53.9158, 47.5888



58.9315, 53.9158, 25.0429

Sweetspot

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



36.5677, 53.9178, 71.4317



72.1143, 88.1959, 106.9355



24.6026, 49.1370, 8.1892



14.9209, 18.6129, 22.8378



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.



36.5677, 53.9178, 71.4317



53.2445, 78.5138, 103.9924



18.1487, 16.4643, 67.1892



12.7844, 14.1048, 15.9451



21.6469, 31.9141, 42.2975



1.3081, 1.9259, 2.5641

Inverse Universe

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



28.3371, 14.6072, 1.4136



41.2594, 21.2678, 2.0323



33.3136, 24.5865, 2.9913



12.4302, 12.4236, 12.9397



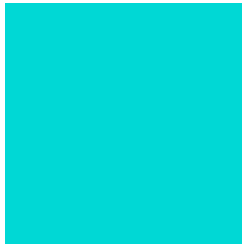
16.7749, 8.6463, 0.8530



1.0143, 0.5225, 0.0647

Previews

White Background



This preview shows how the XYZ color 36.5661, 53.9158, 71.4304 looks on a white background.

Color Contrast Check

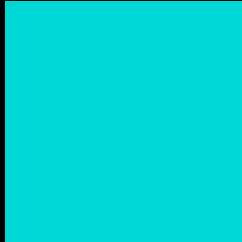
Large Text (above 18pt) WCAG AA × Fail

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 36.5661, 53.9158, 71.4304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

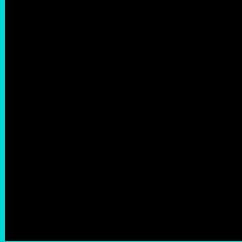
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

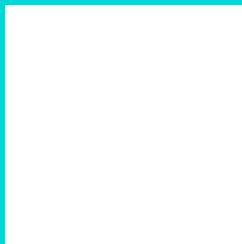
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5661, 53.9158, 71.4304

Background



This preview shows how black text looks on a background with the XYZ color 36.5661, 53.9158, 71.4304.

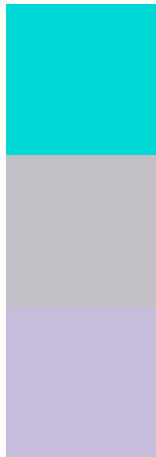


This preview shows how white text looks on a background with the XYZ color 36.5661, 53.9158,

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

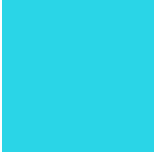
36.5661, 53.9158, 71.4304

Protanopia

51.0720, 52.8082, 60.9273

Deuteranopia

54.0581, 53.0867, 74.4154



Tritanopia

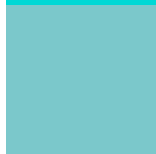
39.1729, 53.8503, 83.9308

Trichromacy



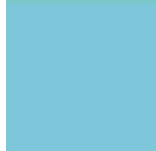
Original Color

36.5661, 53.9158, 71.4304



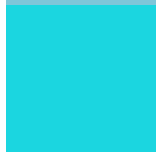
Protanomaly

39.6021, 49.8313, 64.0311



Deuteranomaly

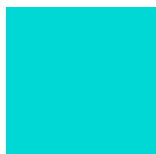
41.3227, 49.8335, 73.0865



Tritanomaly

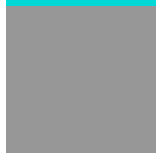
37.9531, 53.7080, 78.8873

Monochromacy



Original Color

36.5661, 53.9158, 71.4304



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.7938, 36.2027, 45.5673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5661, 53.9158, 71.4304 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 213) }
```

Border

The CSS property to change the border of an element to XYZ 36.5661, 53.9158, 71.4304 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, 213) }
```


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

```
.border{ border-color:rgb(0, 216, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5661, 53.9158, 71.4304 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, 213) }
```

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

```
.background{ background-color: rgb(0, 216,  
213) }
```

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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