

Converting Colors

XYZ(36.5699, 55.2090, 68.6293)

Have a look what the booklet for
XYZ(36.5699, 55.2090, 68.6293)
contains.

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Color

**XYZ(36.7167, 55.2171,
68.3973)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBD0
RGB	0, 219, 208
RGB Percent	0%, 86%, 82%
CMY	0.9998, 0.1412, 0.1843
CMYK	1.00, 0.00, 0.05, 0.14
HSL	177°, 100%, 43%
HSV	177°, 100%, 86%
XYZ	36.7167, 55.2171, 68.3973
YIQ	152.2650, -126.9930, -49.8490

Conversions

Conversions Part 2

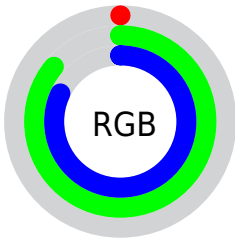
Format	Color
RYB	0, 112, 219
Decimal	56272
CIELab	79.17, -46.05, -7.21
CIELCh	79, 46.611, 188.895
Yxy	55.2171, 0.2290, 0.3444
Android (android.graphics.Color)	4278246352 (0xFF00DBD0)
YUV	152.2650, 27.4774, -133.5364
Hunter-Lab	74.3082, -41.8401, -2.5580

Details

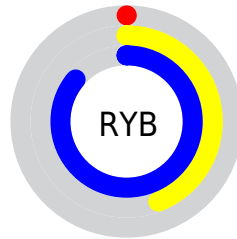
The XYZ color **36.7167, 55.2171, 68.3973** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.2756, 15.0859, 1.6871**, and the grayscale version is **29.8908, 31.4475, 34.2463**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.9299, 28.5275, 35.0805** is the 20% darker color. If you saturate the color by 10%, you get **36.7174, 55.2187, 68.3970**, and if you desaturate by 10%, it is **37.1834, 55.4432, 69.1297**.

Distribution



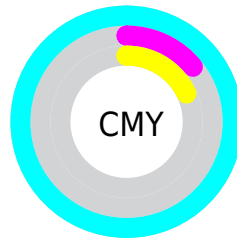
- Red (0%)
- Green (86%)
- Blue (82%)



- Red (0%)
- Yellow (44%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)



- Cyan (100%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7167, 55.2171, 68.3973 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 36.7167, 55.2171, 68.3973 by changing the saturation by 10% instead.

36.7167, 55.2171,
68.3973

36.7167, 55.2171,
68.3973

323.4592,
406.7344, 473.5386

25.1609, 39.5756,
49.7523

69.4535, 97.8590,
118.5799

16.3263, 27.2078,
34.8468

91.3652, 125.6281,
150.9546

9.8477, 17.7293,
23.2623

117.4596,
158.2085, 188.7430

5.3596, 10.7558,
14.5802

148.1021,
195.9847, 232.3636

2.4967, 5.9029,
8.3820

183.6579,
239.3410, 282.2349

0.8936, 2.7861,
4.2491

224.4924,

0.0000, 1.0211,

288.6617, 338.7755

1.7629

270.9711,
344.3314, 402.4039

■ 0.0000, 0.0000,
0.4033

■ 0.0000, 0.0000,
0.0000

■ 36.7167, 55.2171,
68.3973

■ 36.7167, 55.2171,
68.3973

■ 36.7174, 55.2187,
68.3970

■ 37.1834, 55.4432,
69.1297

■ 38.0228, 55.8601,
69.8831

■ 39.3583, 56.5327,
70.6647

■ 41.2585, 57.4963,
71.4777

■ 43.7814, 58.7807,
72.3248

■ 46.9775, 60.4121,
73.2083

■ 50.8923, 62.4139,
74.1304

■ 55.5673, 64.8075,
75.0931

■ 61.0409, 67.6127,
76.0981

Harmonies

Analogous

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



37.4984, 55.2171, 43.4950



36.7167, 55.2171, 68.3973



39.7530, 55.2171, 98.3732

Triad

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



36.7167, 55.2171, 68.3973



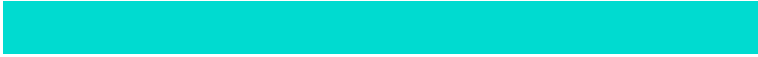
64.5361, 55.2171, 109.4672



59.1916, 55.2171, 23.8704

Complementary

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



36.7167, 55.2171, 68.3973



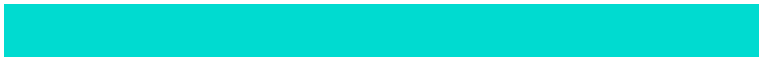
29.2756, 15.0859, 1.6871

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.



67.6743, 55.2171, 33.3477



36.7167, 55.2171, 68.3973



71.0046, 55.2171, 80.5236

Square

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



36.7167, 55.2171, 68.3973



55.2973, 55.2171, 126.2801



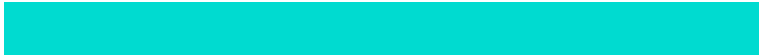
72.2164, 55.2171, 52.5427



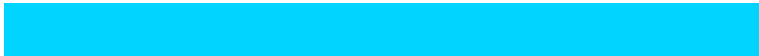
49.7643, 55.2171, 22.3788

Rectangle

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



36.7167, 55.2171, 68.3973



43.7715, 55.2171, 115.5285



72.2164, 55.2171, 52.5427



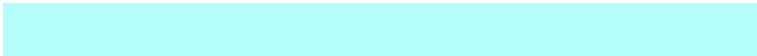
62.2780, 55.2171, 26.0570

Sweetspot

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



36.7183, 55.2192, 68.3986



71.6723, 88.0191, 104.6077



25.5239, 50.7634, 8.4545



14.8132, 18.5698, 22.2706



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.



36.7183, 55.2192, 68.3986



51.8151, 77.9421, 96.4652



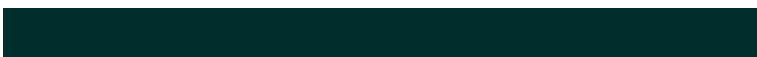
20.0104, 19.5612, 69.7411



13.4151, 14.8177, 16.6490



21.7835, 32.7460, 40.6207



1.4201, 2.1250, 2.6783

Inverse Universe

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



29.2756, 15.0859, 1.6871



41.3114, 21.2886, 2.3062



33.3005, 23.2324, 2.7306



13.0824, 13.0621, 13.6953



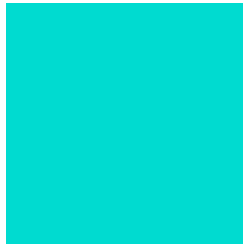
17.3699, 8.9490, 1.0620



1.1348, 0.5836, 0.1191

Previews

White Background



This preview shows how the XYZ color 36.7167, 55.2171, 68.3973 looks on a white background.

Color Contrast Check

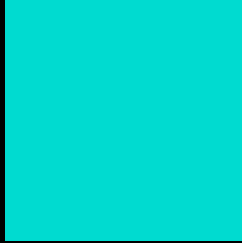
Large Text (above 18pt) WCAG AA × Fail

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 36.7167, 55.2171, 68.3973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

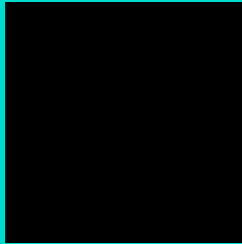
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

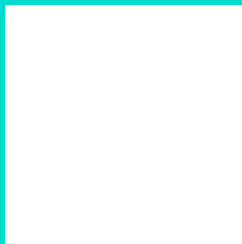
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7167, 55.2171, 68.3973

Background



This preview shows how black text looks on a background with the XYZ color 36.7167, 55.2171, 68.3973.

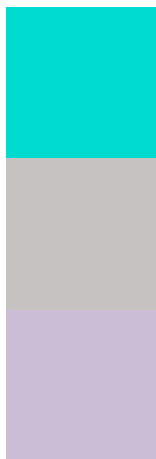


This preview shows how white text looks on a background with the XYZ color 36.7167, 55.2171,

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

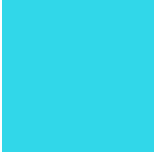
36.7167, 55.2171, 68.3973

Protanopia

52.2061, 54.4396, 58.2084

Deuteranopia

55.3652, 54.1389, 71.8218



Tritanopia

40.2750, 55.1370, 85.6106

Trichromacy



Original Color

36.7167, 55.2171, 68.3973



Protanomaly

40.1532, 51.2247, 61.1971



Deuteranomaly

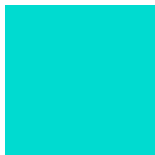
41.7439, 50.8078, 69.8941



Tritanomaly

38.5755, 54.7849, 79.0624

Monochromacy



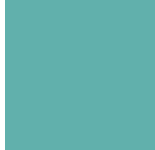
Original Color

36.7167, 55.2171, 68.3973



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.9015, 36.5706, 44.6180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7167, 55.2171, 68.3973 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, 219, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 208)  
}
```

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, 219, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 208) }
```

Border

The CSS property to change the border of an element to XYZ 36.7167, 55.2171, 68.3973 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, 219, 208) }
```


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

```
.border{ border-color:rgb(0, 219, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 219, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7167, 55.2171, 68.3973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 208) }
```

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

```
.background{ background-color: rgb(0, 219,  
208) }
```

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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