

Converting Colors

XYZ(28.6670, 48.5243, 77.7099)

Have a look what the booklet for
XYZ(28.6670, 48.5243, 77.7099)
contains.

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Color

**XYZ(37.1135, 52.9162,
78.0698)**

Conversions

Conversions Part 1

Format	Color
Hex	00D5DF
RGB	0, 213, 223
RGB Percent	0%, 84%, 87%
CMY	0.9998, 0.1647, 0.1255
CMYK	1.00, 0.04, 0.00, 0.13
HSL	183°, 100%, 44%
HSV	183°, 100%, 87%
XYZ	37.1135, 52.9162, 78.0698
YIQ	150.4530, -130.1580, -42.0460

Conversions

Conversions Part 2

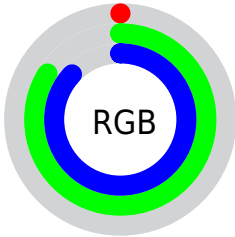
Format	Color
RYB	0, 109, 223
Decimal	54751
CIELab	77.83, -38.96, -17.24
CIELCh	78, 42.608, 203.866
Yxy	52.9162, 0.2208, 0.3148
Android (android.graphics.Color)	4278244831 (0xFF00D5DF)
YUV	150.4530, 35.7657, -131.9473
Hunter-Lab	72.7435, -36.2311, -12.7107

Details

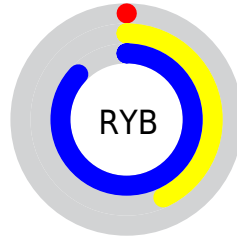
The XYZ color **37.1135, 52.9162, 78.0698** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.5413, 15.9065, 1.4621**, and the grayscale version is **29.0816, 30.5961, 33.3191**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.2947, 27.2809, 41.2946** is the 20% darker color. If you saturate the color by 10%, you get **37.1139, 52.9166, 78.0709**, and if you desaturate by 10%, it is **37.7055, 53.5971, 78.1710**.

Distribution



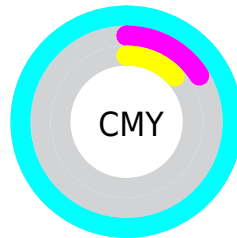
- Red (0%)
- Green (84%)
- Blue (87%)



- Red (0%)
- Yellow (43%)
- Blue (87%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1135, 52.9162, 78.0698 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 37.1135, 52.9162, 78.0698 by changing the saturation by 10% instead.

 37.1135, 52.9162,
78.0698


 37.1135, 52.9162,
78.0698


325.1487,
397.9635, 507.9380


 25.4695, 37.7359,
57.6145


 70.0600, 94.4810,
132.4353


 16.5578, 25.7778,
41.0862


 92.0932, 121.6344,
167.1826


 10.0130, 16.6575,
28.0662


 118.3201,
153.5475, 207.5309

 5.4699, 9.9906,
18.1361

 149.1062,
190.6047, 253.8989

 2.5631, 5.3927,
10.8773

 184.8167,
233.1906, 306.7051

 0.9272, 2.4795,
5.8713

225.8171,

 0.0000, 0.8663,

281.6894, 366.3680

2.6994

272.4726,
336.4856, 433.3061

■ 0.0000, 0.0000,
0.9431

■ 0.0000, 0.0000,
0.0000

■ 37.1135, 52.9162,
78.0698

■ 37.1135, 52.9162,
78.0698

■ 37.1139, 52.9166,
78.0709

■ 37.7055, 53.5971,
78.1710

■ 38.6877, 54.4803,
78.2897

■ 40.1877, 55.6328,
78.4331

■ 42.2774, 57.0916,
78.6046

■ 45.0173, 58.8879,
78.8069

■ 48.4602, 61.0490,
79.0426

■ 52.6538, 63.5994,
79.3138

■ 57.6415, 66.5615,
79.6227

■ 63.4632, 69.9559,
79.9710

Harmonies

Analogous

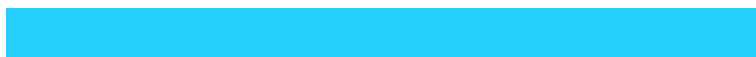
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.0874, 52.9162, 52.8878



37.1135, 52.9162, 78.0698



41.4917, 52.9162, 102.7626

Triad

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



37.1135, 52.9162, 78.0698



64.2575, 52.9162, 88.8482



52.0130, 52.9162, 23.1700

Complementary

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



37.1135, 52.9162, 78.0698



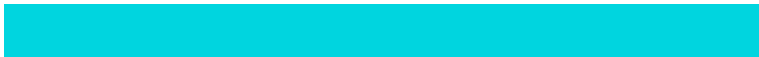
30.5413, 15.9065, 1.4621

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.



60.2635, 52.9162, 28.1144



37.1135, 52.9162, 78.0698



67.8145, 52.9162, 62.6195

Square

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



37.1135, 52.9162, 78.0698



57.0052, 52.9162, 110.0843



66.2783, 52.9162, 41.0897



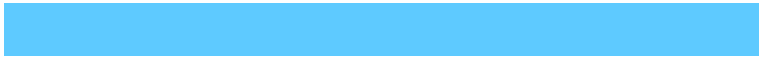
44.1337, 52.9162, 25.2058

Rectangle

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



37.1135, 52.9162, 78.0698



46.0059, 52.9162, 113.3493



66.2783, 52.9162, 41.0897



54.8432, 52.9162, 24.0150

Sweetspot

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



37.1151, 52.9181, 78.0711



71.2003, 86.0948, 107.4730



26.4297, 52.7929, 9.0120



14.6981, 18.1006, 22.9690



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.



37.1151, 52.9181, 78.0711



50.2697, 71.6594, 105.7899



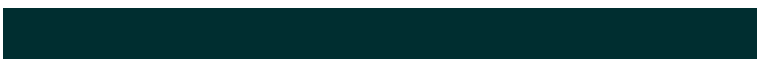
18.2801, 15.2481, 71.7927



14.0611, 15.4614, 17.6309



21.8451, 31.1598, 45.9114



1.5307, 2.1929, 3.1878

Inverse Universe

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



42.4431, 20.4936, 64.6714



57.5030, 27.7652, 87.5699



37.0241, 28.8722, 3.6230



14.2671, 13.9245, 17.1766



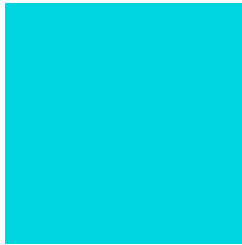
24.9666, 12.0536, 38.0854



1.7389, 0.8388, 2.6838

Previews

White Background



This preview shows how the XYZ color 37.1135, 52.9162, 78.0698 looks on a white background.

Color Contrast Check

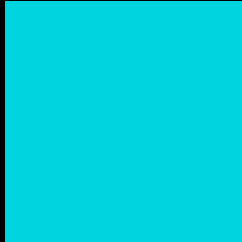
Large Text (above 18pt) WCAG AA × Fail

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 37.1135, 52.9162, 78.0698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

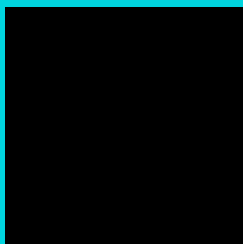
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

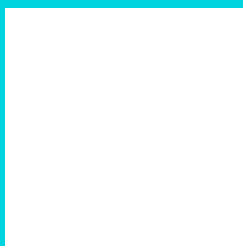
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1135, 52.9162, 78.0698

Background



This preview shows how black text looks on a background with the XYZ color 37.1135, 52.9162, 78.0698.



This preview shows how white text looks on a background with the XYZ color 37.1135, 52.9162,

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

37.1135, 52.9162, 78.0698

Protanopia

50.7849, 52.1998, 67.0734

Deuteranopia

53.3990, 52.2742, 81.4042



Tritanopia

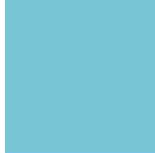
38.1123, 52.9637, 82.3430

Trichromacy



Original Color

37.1135, 52.9162, 78.0698



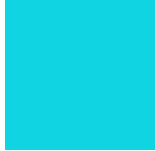
Protanomaly

39.9501, 49.1853, 70.3389



Deuteranomaly

41.6311, 49.1635, 79.9684



Tritanomaly

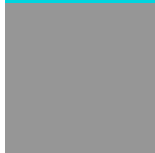
37.6398, 52.7522, 80.8714

Monochromacy



Original Color

37.1135, 52.9162, 78.0698



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.5987, 35.4944, 46.9915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1135, 52.9162, 78.0698 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, 213, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 223)  
}
```

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, 213, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 223) }
```

Border

The CSS property to change the border of an element to XYZ 37.1135, 52.9162, 78.0698 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, 213, 223) }
```


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

```
.border{ border-color:rgb(0, 213, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 213, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1135, 52.9162, 78.0698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 223) }
```

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

```
.background{ background-color: rgb(0, 213,  
223) }
```

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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