

Converting Colors

XYZ(37.2596, 52.6442, 77.4803)

Have a look what the booklet for
XYZ(37.2596, 52.6442, 77.4803)
contains.

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Color

**XYZ(37.2072, 52.6078,
77.3005)**

Conversions

Conversions Part 1

Format	Color
Hex	1CD4DE
RGB	28, 212, 222
RGB Percent	11%, 83%, 87%
CMY	0.8901, 0.1686, 0.1294
CMYK	0.87, 0.05, 0.00, 0.13
HSL	183°, 78%, 49%
HSV	183°, 87%, 87%
XYZ	37.2072, 52.6078, 77.3005
YIQ	158.1240, -112.8740, -35.8980

Conversions

Conversions Part 2

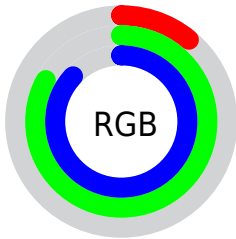
Format	Color
RYB	28, 122, 222
Decimal	1889502
CIELab	77.64, -37.87, -16.96
CIELCh	78, 41.496, 204.130
Yxy	52.6078, 0.2226, 0.3148
Android (android.graphics.Color)	4280079582 (0xFF1CD4DE)
YUV	158.1240, 31.4909, -114.1187
Hunter-Lab	72.5312, -35.3624, -12.4167

Details

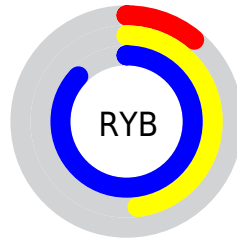
The XYZ color **37.2072, 52.6078, 77.3005** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.0284, 17.0015, 2.7464**, and the grayscale version is **32.4580, 34.1483, 37.1875**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **19.0320, 26.9040, 40.7491** is the 20% darker color. If you saturate the color by 10%, you get **36.5171, 51.8300, 77.1877**, and if you desaturate by 10%, it is **38.3429, 53.6205, 77.4371**.

Distribution



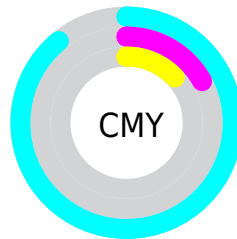
- Red (11%)
- Green (83%)
- Blue (87%)



- Red (11%)
- Yellow (48%)
- Blue (87%)



- Cyan (87%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)



- Cyan (89%)
- Magenta (17%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2072, 52.6078, 77.3005 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 37.2072, 52.6078, 77.3005 by changing the saturation by 10% instead.

37.2072, 52.6078,
77.3005

37.2072, 52.6078,
77.3005

325.5467,
396.7786, 505.2528

25.5424, 37.4898,
56.9865

70.2031, 94.0270,
131.3405

16.6125, 25.5869,
40.5851

92.2649, 121.0970,
165.9035

10.0522, 16.5149,
27.6778

118.5230,
152.9197, 206.0533

5.4961, 9.8892,
17.8460

149.3429,
189.8796, 252.2085

2.5789, 5.3256,
10.6712

185.0899,
232.3610, 304.7874

0.9352, 2.4395,
5.7348

226.1292,

0.0000, 0.8461,

280.7484, 364.2088

2.6183

272.8264,
335.4261, 430.8911

■ 0.0000, 0.0000,
0.9019

■ 0.0000, 0.0000,
0.0000

■ 37.2072, 52.6078,
77.3005

■ 37.2072, 52.6078,
77.3005

■ 36.5171, 51.8300,
77.1877

■ 38.3429, 53.6205,
77.4371

■ 36.3697, 51.6435,
77.1595

■ 40.0098, 54.9090,
77.5980

■ 42.2771, 56.5101,
77.7875

■ 45.2025, 58.4534,
78.0084

■ 48.8368, 60.7652,
78.2631

■ 53.2259, 63.4692,
78.5537

■ 58.4116, 66.5869,
78.8821

■ 64.4330, 70.1384,
79.2503

■ 71.3264, 74.1426,
79.6598

Harmonies

Analogous

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



36.1767, 52.6078, 52.8819



37.2072, 52.6078, 77.3005



41.4993, 52.6078, 101.0432

Triad

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



37.2072, 52.6078, 77.3005



63.5692, 52.6078, 87.2531



51.5959, 52.6078, 23.6215

Complementary

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



37.2072, 52.6078, 77.3005



31.0284, 17.0015, 2.7464

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.



59.5936, 52.6078, 28.4272



37.2072, 52.6078, 77.3005



66.9653, 52.6078, 61.9174

Square

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



37.2072, 52.6078, 77.3005



56.5754, 52.6078, 107.7818



65.4380, 52.6078, 41.0558



43.9588, 52.6078, 25.6889

Rectangle

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



37.2072, 52.6078, 77.3005



45.9025, 52.6078, 111.1325



65.4380, 52.6078, 41.0558



54.3389, 52.6078, 24.4350

Sweetspot

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



37.2088, 52.6097, 77.3018



73.6414, 87.3594, 107.5885



26.9466, 52.6287, 10.5486



15.2779, 18.4035, 22.9970



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.



37.2088, 52.6097, 77.3018



49.7594, 70.6387, 105.6198



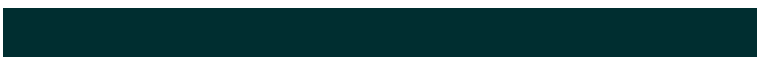
19.8313, 17.8546, 71.5092



14.0529, 15.4449, 17.6282



21.6284, 30.7264, 45.8392



1.5180, 2.1674, 3.1836

Inverse Universe

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



42.4245, 21.1151, 64.1290



57.2454, 27.6622, 86.2134



38.9584, 32.8615, 5.3898



14.2629, 13.9228, 17.1547



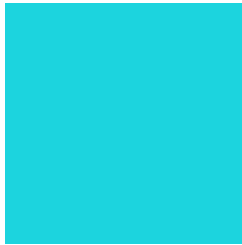
24.8572, 12.0099, 37.5095



1.7325, 0.8363, 2.6500

Previews

White Background



This preview shows how the XYZ color 37.2072, 52.6078, 77.3005 looks on a white background.

Color Contrast Check

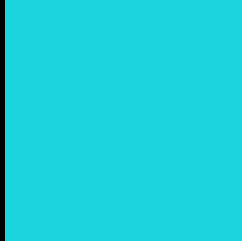
Large Text (above 18pt) WCAG AA × Fail

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 37.2072, 52.6078, 77.3005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

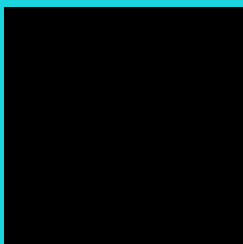
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

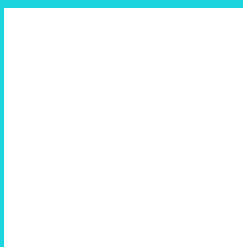
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2072, 52.6078, 77.3005

Background



This preview shows how black text looks on a background with the XYZ color 37.2072, 52.6078, 77.3005.



This preview shows how white text looks on a background with the XYZ color 37.2072, 52.6078,

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

37.2072, 52.6078, 77.3005

Protanopia

50.4463, 51.7190, 66.3554

Deuteranopia

52.7977, 51.6664, 80.5887



Tritanopia

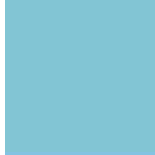
38.0608, 52.5833, 81.5424

Trichromacy



Original Color

37.2072, 52.6078, 77.3005



Protanomaly

41.0558, 49.4318, 69.6648



Deuteranomaly

42.6026, 49.3465, 79.2309



Tritanomaly

37.6814, 52.4196, 80.0835

Monochromacy



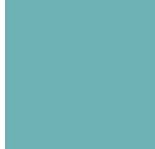
Original Color

37.2072, 52.6078, 77.3005



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.8164, 38.5565, 49.5340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2072, 52.6078, 77.3005 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(28, 212, 222)` looks like.

```
.text, #text, p{  
    color:rgb(28, 212, 222)  
}
```

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(28, 212, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 212, 222) }
```

Border

The CSS property to change the border of an element to XYZ 37.2072, 52.6078, 77.3005 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(28, 212, 222) }
```


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

```
.border{ border-color:rgb(28, 212, 222) }
```

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

Here you see how a box with a 4 pixel rgb(28, 212, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 212, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 212, 222);  
box-shadow:4px 4px 4px 4px rgb(28, 212,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2072, 52.6078, 77.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 212, 222) }
```

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

```
.background{ background-color: rgb(28, 212,  
222) }
```

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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