

Converting Colors

XYZ(22.8023, 36.7093, 42.5627)

Have a look what the booklet for
XYZ(22.8023, 36.7093, 42.5627)
contains.

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Color

**XYZ(24.3240, 37.4879,
42.5131)**

Conversions

Conversions Part 1

Format	Color
Hex	00B9A7
RGB	0, 185, 167
RGB Percent	0%, 73%, 65%
CMY	0.9999, 0.2745, 0.3451
CMYK	1.00, 0.00, 0.10, 0.27
HSL	174°, 100%, 36%
HSV	174°, 100%, 73%
XYZ	24.3240, 37.4879, 42.5131
YIQ	127.6330, -104.4820, -44.8180

Conversions

Conversions Part 2

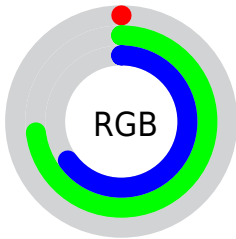
Format	Color
RYB	0, 97, 185
Decimal	47527
CIELab	67.64, -43.08, -1.97
CIELCh	68, 43.123, 182.617
Yxy	37.4879, 0.2332, 0.3593
Android (android.graphics.Color)	4278237607 (0xFF00B9A7)
YUV	127.6330, 19.4079, -111.9341
Hunter-Lab	61.2274, -36.2346, 1.6913

Details

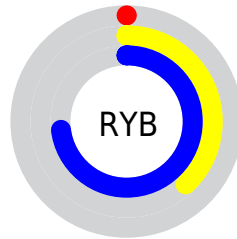
The XYZ color **24.3240, 37.4879, 42.5131** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **20.1180, 10.3591, 1.5128**, and the grayscale version is **20.3553, 21.4153, 23.3213**.

A 20% lighter version of the original color is **50.0825, 71.4308, 80.2551**, and **11.2108, 17.4704, 19.0009** is the 20% darker color. If you saturate the color by 10%, you get **24.3244, 37.4890, 42.5125**, and if you desaturate by 10%, it is **24.7519, 37.6900, 43.4090**.

Distribution



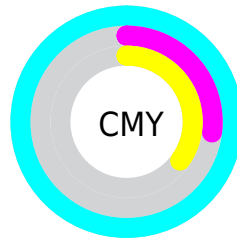
- Red (0%)
- Green (73%)
- Blue (65%)



- Red (0%)
- Yellow (38%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3240, 37.4879, 42.5131 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 24.3240, 37.4879, 42.5131 by changing the saturation by 10% instead.


 24.3240, 37.4879,
42.5131


 24.3240, 37.4879,
42.5131


266.8646,
335.4181, 372.4678


 15.7002, 25.5855,
29.1747


 50.0092, 71.3225,
80.2540


 9.4017, 16.5138,
18.9663


 67.8014, 94.0235,
105.4937


 5.0633, 9.8884,
11.4694


 89.3803, 121.0929,
135.5375

 2.3196, 5.3251,
6.2653

 115.1114,
152.9149, 170.8040

 0.8047, 2.4392,
2.9357

 145.3600,
189.8741, 211.7117

 0.0000, 0.8460,
1.0619

180.4916,

 0.0000, 0.0000,

232.3547, 258.6792

0.0000

220.8713,
280.7412, 312.1251

■ 24.3240, 37.4879,
42.5131

■ 24.3240, 37.4879,
42.5131

■ 24.3244, 37.4890,
42.5125

■ 24.7519, 37.6900,
43.4090

■ 25.4264, 38.0181,
44.3277

■ 26.4395, 38.5204,
45.2745

■ 27.8358, 39.2201,
46.2514

■ 29.6533, 40.1366,
47.2604

■ 31.9253, 41.2871,
48.3029

■ 34.6818, 42.6872,
49.3805

■ 37.9503, 44.3508,
50.4945

■ 41.7560, 46.2912,
51.6461

Harmonies

Analogous

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



25.4410, 37.4879, 26.1865



24.3240, 37.4879, 42.5131



25.9103, 37.4879, 63.9083

Triad

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



24.3240, 37.4879, 42.5131



42.9769, 37.4879, 80.0812



41.8412, 37.4879, 16.1725

Complementary

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



24.3240, 37.4879, 42.5131



20.1180, 10.3591, 1.5128

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.



47.5219, 37.4879, 24.0906



24.3240, 37.4879, 42.5131



48.2329, 37.4879, 60.0820

Square

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



24.3240, 37.4879, 42.5131



36.2182, 37.4879, 89.4125



49.9906, 37.4879, 39.1685



35.0504, 37.4879, 14.0775

Rectangle

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



24.3240, 37.4879, 42.5131



28.4185, 37.4879, 77.3756



49.9906, 37.4879, 39.1685



43.9712, 37.4879, 18.0876

Sweetspot

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



24.3251, 37.4893, 42.5140



61.8410, 76.3116, 88.3379



17.6091, 34.8329, 5.7962



12.8673, 16.2152, 18.8685



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.3251, 37.4893, 42.5140



43.5148, 67.1209, 75.8808



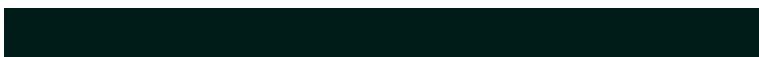
14.4436, 14.8750, 48.0103



9.2280, 10.1952, 11.3579



16.5772, 25.5318, 29.0250



0.5954, 0.9045, 1.0811

Inverse Universe

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



20.1180, 10.3591, 1.5128



35.9914, 18.5360, 2.5088



22.4585, 15.2148, 1.7539



9.0392, 9.0260, 9.5537



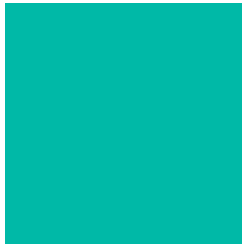
13.7106, 7.0580, 1.0968



0.4952, 0.2536, 0.1012

Previews

White Background



This preview shows how the XYZ color 24.3240, 37.4879, 42.5131 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 24.3240, 37.4879, 42.5131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

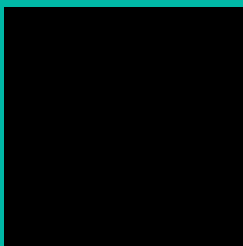
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

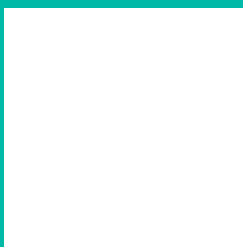
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3240, 37.4879, 42.5131

Background



This preview shows how black text looks on a background with the XYZ color 24.3240, 37.4879, 42.5131.

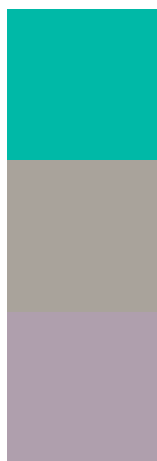


This preview shows how white text looks on a background with the XYZ color 24.3240, 37.4879,

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

24.3240, 37.4879, 42.5131

Protanopia

35.3758, 36.9960, 36.2868

Deuteranopia

37.6202, 36.9274, 44.6801



Tritanopia

27.6600, 37.6376, 58.0315

Trichromacy



Original Color

24.3240, 37.4879, 42.5131



Protanomaly

27.0053, 34.8172, 38.0979



Deuteranomaly

27.9089, 34.3250, 43.6825



Tritanomaly

26.0203, 37.2347, 51.7145

Monochromacy



Original Color

24.3240, 37.4879, 42.5131



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

19.0233, 25.1972, 29.4521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3240, 37.4879, 42.5131 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, 185, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 167)  
}
```

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, 185, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 167) }
```

Border

The CSS property to change the border of an element to XYZ 24.3240, 37.4879, 42.5131 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, 185, 167) }
```


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

```
.border{ border-color:rgb(0, 185, 167) }
```

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

Here you see how a box with a 4 pixel rgb(0, 185, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3240, 37.4879, 42.5131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 167) }
```

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

```
.background{ background-color: rgb(0, 185,  
167) }
```

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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