

Converting Colors

XYZ(22.0100, 36.5722, 42.3350)

Have a look what the booklet for
XYZ(22.0100, 36.5722, 42.3350)
contains.

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Color

**XYZ(24.5340, 37.9078,
42.5831)**

Conversions

Conversions Part 1

Format	Color
Hex	00BAA7
RGB	0, 186, 167
RGB Percent	0%, 73%, 65%
CMY	0.9999, 0.2706, 0.3451
CMYK	1.00, 0.00, 0.10, 0.27
HSL	174°, 100%, 36%
HSV	174°, 100%, 73%
XYZ	24.5340, 37.9078, 42.5831
YIQ	128.2200, -104.7570, -45.3410

Conversions

Conversions Part 2

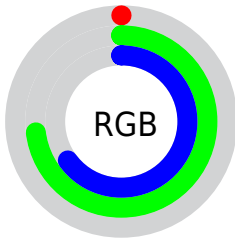
Format	Color
RYB	0, 98, 186
Decimal	47783
CIELab	67.95, -43.51, -1.51
CIELCh	68, 43.535, 181.992
Yxy	37.9078, 0.2336, 0.3609
Android (android.graphics.Color)	4278237863 (0xFF00BAA7)
YUV	128.2200, 19.1185, -112.4489
Hunter-Lab	61.5693, -36.6180, 2.0919

Details

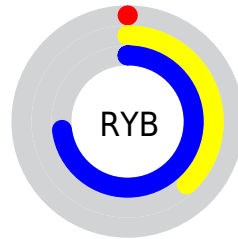
The XYZ color **24.5340, 37.9078, 42.5831** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **20.3686, 10.4874, 1.5685**, and the grayscale version is **20.5600, 21.6307, 23.5558**.

A 20% lighter version of the original color is **50.3810, 72.0278, 80.3546**, and **11.3458, 17.7403, 19.0459** is the 20% darker color. If you saturate the color by 10%, you get **24.5343, 37.9089, 42.5822**, and if you desaturate by 10%, it is **24.9732, 38.1146, 43.5285**.

Distribution



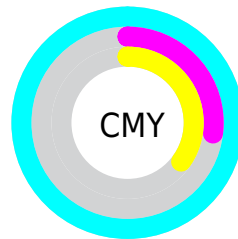
- Red (0%)
- Green (73%)
- Blue (65%)



- 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 24.5340, 37.9078, 42.5831 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 24.5340, 37.9078, 42.5831 by changing the saturation by 10% instead.


 24.5340, 37.9078,
42.5831


 24.5340, 37.9078,
42.5831


267.8999,
337.2243, 372.7652


 15.8571, 25.9111,
29.2292


 50.3486, 71.9668,
80.3610


 9.5133, 16.7572,
19.0072


 68.2170, 94.7979,
105.6220


 5.1372, 10.0615,
11.4986


 89.8799, 122.0093,
135.6891

 2.3636, 5.4398,
6.2849

 115.7027,
153.9854, 170.9808

 0.8269, 2.5075,
2.9475

 146.0507,
191.1105, 211.9158

 0.0000, 0.8804,
1.0679

181.2894,

 0.0000, 0.0000,

233.7691, 258.9125

0.0000

221.7839,
282.3456, 312.3894

■ 24.5340, 37.9078,
42.5831

■ 24.5340, 37.9078,
42.5831

■ 24.5343, 37.9089,
42.5822

■ 24.9732, 38.1146,
43.5285

■ 25.6628, 38.4494,
44.4983

■ 26.6953, 38.9606,
45.4978

■ 28.1162, 39.6718,
46.5290

■ 29.9638, 40.6026,
47.5940

■ 32.2720, 41.7705,
48.6943

■ 35.0712, 43.1913,
49.8313

■ 38.3890, 44.8791,
51.0065

■ 42.2513, 46.8473,
52.2211

Harmonies

Analogous

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



25.7255, 37.9078, 26.1399



24.5340, 37.9078, 42.5831



26.0883, 37.9078, 64.3172

Triad

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



24.5340, 37.9078, 42.5831



43.3682, 37.9078, 81.6039



42.4884, 37.9078, 16.3528

Complementary

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



24.5340, 37.9078, 42.5831



20.3686, 10.4874, 1.5685

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.



48.2229, 37.9078, 24.5212



24.5340, 37.9078, 42.5831



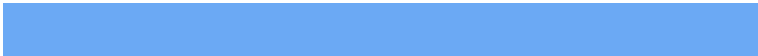
48.7739, 37.9078, 61.3507

Square

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



24.5340, 37.9078, 42.5831



36.4841, 37.9078, 90.8040



50.6516, 37.9078, 39.9943



35.5802, 37.9078, 14.1219

Rectangle

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



24.5340, 37.9078, 42.5831



28.6012, 37.9078, 78.1228



50.6516, 37.9078, 39.9943



44.6457, 37.9078, 18.3356

Sweetspot

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



24.5351, 37.9092, 42.5840



63.2825, 78.1400, 90.2115



17.8847, 35.2866, 5.8694



13.4422, 16.9570, 19.6723



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.5351, 37.9092, 42.5840



44.4159, 68.6889, 76.9032



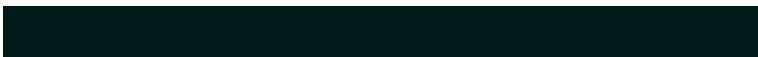
14.9620, 15.7421, 48.7058



9.2261, 10.1944, 11.3478



16.5214, 25.5095, 28.7315



0.5939, 0.9039, 1.0733

Inverse Universe

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



20.3686, 10.4874, 1.5685



36.8766, 18.9906, 2.6277



22.5244, 14.9872, 1.7067



9.0409, 9.0267, 9.5628



13.7161, 7.0602, 1.1259



0.4960, 0.2539, 0.1052

Previews

White Background



This preview shows how the XYZ color 24.5340, 37.9078, 42.5831 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 24.5340, 37.9078, 42.5831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

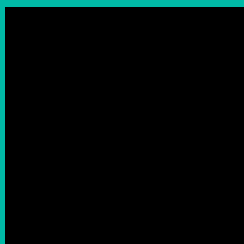
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

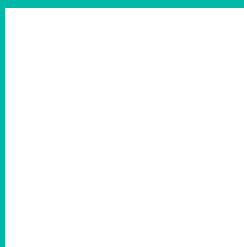
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5340, 37.9078, 42.5831

Background



This preview shows how black text looks on a background with the XYZ color 24.5340, 37.9078, 42.5831.

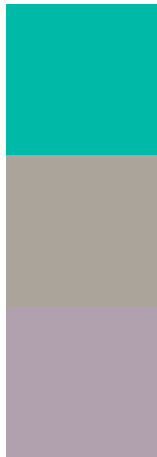


This preview shows how white text looks on a background with the XYZ color 24.5340, 37.9078,

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

24.5340, 37.9078, 42.5831

Protanopia

35.7694, 37.4635, 36.3563

Deuteranopia

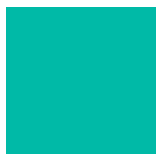
38.2451, 37.5059, 44.7588



Tritanopia

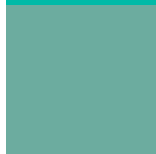
27.9783, 38.0915, 58.7011

Trichromacy



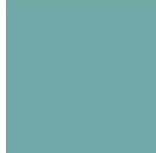
Original Color

24.5340, 37.9078, 42.5831



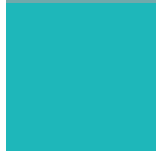
Protanomaly

27.1949, 35.1964, 38.1612



Deuteranomaly

28.3487, 34.8269, 43.7562



Tritanomaly

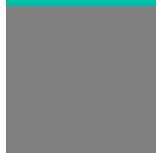
26.3318, 37.6882, 52.3411

Monochromacy



Original Color

24.5340, 37.9078, 42.5831



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 24.5340, 37.9078, 42.5831 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, 186, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 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, 186, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 167) }
```

Border

The CSS property to change the border of an element to XYZ 24.5340, 37.9078, 42.5831 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, 186, 167) }
```


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

```
.border{ border-color:rgb(0, 186, 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, 186, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5340, 37.9078, 42.5831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 167) }
```

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

```
.background{ background-color: rgb(0, 186,  
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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