

Converting Colors

XYZ(24.1543, 36.9539, 43.0540)

Have a look what the booklet for
XYZ(24.1543, 36.9539, 43.0540)
contains.

XYZ(24.2084, 37.1081, 42.9325)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.2084, 37.1081,
42.9325)**

Conversions

Conversions Part 1

Format	Color
Hex	00B8A8
RGB	0, 184, 168
RGB Percent	0%, 72%, 66%
CMY	0.9999, 0.2784, 0.3412
CMYK	1.00, 0.00, 0.09, 0.28
HSL	175°, 100%, 36%
HSV	175°, 100%, 72%
XYZ	24.2084, 37.1081, 42.9325
YIQ	127.1600, -104.5280, -43.9840

Conversions

Conversions Part 2

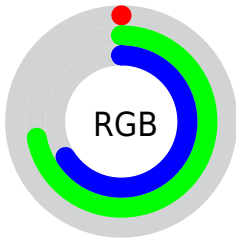
Format	Color
RYB	0, 96, 184
Decimal	47272
CIELab	67.36, -42.36, -2.94
CIELCh	67, 42.462, 183.966
Yxy	37.1081, 0.2322, 0.3560
Android (android.graphics.Color)	4278237352 (0xFF00B8A8)
YUV	127.1600, 20.1341, -111.5193
Hunter-Lab	60.9164, -35.6672, 0.8553

Details

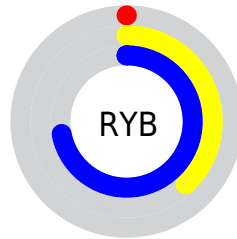
The XYZ color **24.2084, 37.1081, 42.9325** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **19.8620, 10.2289, 1.4191**, and the grayscale version is **20.1903, 21.2418, 23.1323**.

A 20% lighter version of the original color is **49.9202, 70.8910, 80.8643**, and **11.1350, 17.2262, 19.2611** is the 20% darker color. If you saturate the color by 10%, you get **24.2088, 37.1092, 42.9319**, and if you desaturate by 10%, it is **24.6168, 37.3021, 43.7356**.

Distribution



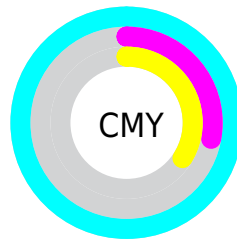
- Red (0%)
- Green (72%)
- Blue (66%)



- Red (0%)
- Yellow (38%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (28%)




- Cyan (100%)
- Magenta (28%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2084, 37.1081, 42.9325 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 24.2084, 37.1081, 42.9325 by changing the saturation by 10% instead.


 24.2084, 37.1081,
42.9325

 24.2084, 37.1081,
42.9325


266.2934,
333.7783, 374.2472


 15.6139, 25.2912,
29.5011


 49.8223, 70.7390,
80.8943


 9.3404, 16.2941,
19.2114


 67.5723, 93.3218,
106.2617


 5.0228, 9.7325,
11.6448


 89.1049, 120.2620,
136.4450

 2.2955, 5.2220,
6.3827

 114.7854,
151.9441, 171.8626

 0.7924, 2.3781,
3.0066

 144.9791,
188.7523, 212.9331

 0.0000, 0.8146,
1.0980

180.0514,

 0.0000, 0.0000,

231.0712, 260.0750

0.0000

220.3677,
279.2850, 313.7068

■ 24.2084, 37.1081,
42.9325

■ 24.2084, 37.1081,
42.9325

■ 24.2088, 37.1092,
42.9319

■ 24.6168, 37.3021,
43.7356

■ 25.2680, 37.6203,
44.5589

■ 26.2532, 38.1104,
45.4075

■ 27.6164, 38.7952,
46.2834

■ 29.3950, 39.6939,
47.1885

■ 31.6219, 40.8235,
48.1244

■ 34.3267, 42.1993,
49.0923

■ 37.5365, 43.8351,
50.0937

■ 41.2762, 45.7440,
51.1298

Harmonies

Analogous

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



25.1852, 37.1081, 26.6365



24.2084, 37.1081, 42.9325



25.8825, 37.1081, 63.8974

Triad

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



24.2084, 37.1081, 42.9325



42.7280, 37.1081, 77.9782



41.0480, 37.1081, 16.0124

Complementary

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



24.2084, 37.1081, 42.9325



19.8620, 10.2289, 1.4191

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.



46.6907, 37.1081, 23.5170



24.2084, 37.1081, 42.9325



47.7413, 37.1081, 58.2487

Square

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



24.2084, 37.1081, 42.9325



36.1422, 37.1081, 87.6955



49.2733, 37.1081, 37.9776



34.4122, 37.1081, 14.1734

Rectangle

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



24.2084, 37.1081, 42.9325



28.4137, 37.1081, 76.8350



49.2733, 37.1081, 37.9776



43.1493, 37.1081, 17.8123

Sweetspot

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



24.2095, 37.1095, 42.9334



61.9473, 76.3542, 88.8977



17.3988, 34.4149, 5.7267



12.8932, 16.2256, 19.0050



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.



24.2095, 37.1095, 42.9334



43.8385, 67.2503, 77.5854



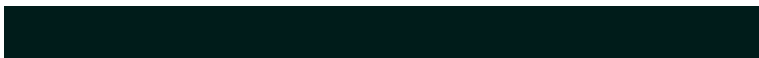
14.2733, 14.7027, 47.4345



9.2321, 10.1968, 11.3795



16.6971, 25.5798, 29.6567



0.5986, 0.9057, 1.0979

Inverse Universe

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



19.8620, 10.2289, 1.4191



35.9674, 18.5264, 2.3824



22.1916, 15.0379, 1.7339



9.0355, 9.0246, 9.5343



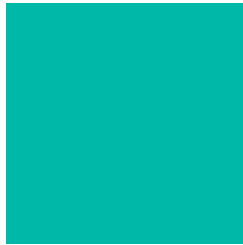
13.6995, 7.0536, 1.0383



0.4936, 0.2529, 0.0929

Previews

White Background



This preview shows how the XYZ color 24.2084, 37.1081, 42.9325 looks on a white background.

Color Contrast Check

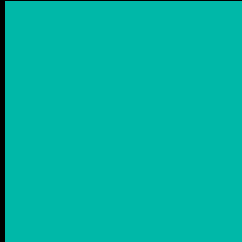
Large Text (above 18pt) WCAG AA × Fail

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 24.2084, 37.1081, 42.9325 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

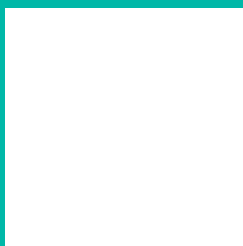
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2084, 37.1081, 42.9325

Background



This preview shows how black text looks on a background with the XYZ color 24.2084, 37.1081, 42.9325.

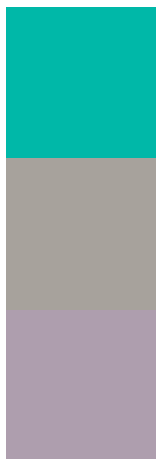


This preview shows how white text looks on a background with the XYZ color 24.2084, 37.1081,

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

24.2084, 37.1081, 42.9325

Protanopia

34.8574, 36.4565, 36.6521

Deuteranopia

37.3224, 36.5084, 45.1241



Tritanopia

27.2538, 37.1405, 57.3622

Trichromacy



Original Color

24.2084, 37.1081, 42.9325



Protanomaly

26.6637, 34.3517, 38.4829



Deuteranomaly

27.8207, 33.9955, 44.1252



Tritanomaly

25.7875, 36.8117, 51.6452

Monochromacy



Original Color

24.2084, 37.1081, 42.9325



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.8657, 24.8821, 29.3996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2084, 37.1081, 42.9325 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, 184, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 168)  
}
```

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, 184, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 168) }
```

Border

The CSS property to change the border of an element to XYZ 24.2084, 37.1081, 42.9325 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, 184, 168) }
```


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

```
.border{ border-color:rgb(0, 184, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2084, 37.1081, 42.9325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 168) }
```

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

```
.background{ background-color: rgb(0, 184,  
168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor