

Converting Colors

XYZ(23.9414, 36.8686, 41.9360)

Have a look what the booklet for
XYZ(23.9414, 36.8686, 41.9360)
contains.

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Color

**XYZ(24.0234, 37.0342,
41.9585)**

Conversions

Conversions Part 1

Format	Color
Hex	00B8A6
RGB	0, 184, 166
RGB Percent	0%, 72%, 65%
CMY	0.9999, 0.2784, 0.3490
CMYK	1.00, 0.00, 0.10, 0.28
HSL	174°, 100%, 36%
HSV	174°, 100%, 72%
XYZ	24.0234, 37.0342, 41.9585
YIQ	126.9320, -103.8860, -44.6060

Conversions

Conversions Part 2

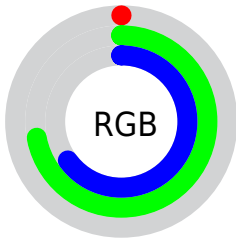
Format	Color
RYB	0, 97, 184
Decimal	47270
CIELab	67.30, -42.93, -1.91
CIELCh	67, 42.974, 182.554
Yxy	37.0342, 0.2332, 0.3595
Android (android.graphics.Color)	4278237350 (0xFF00B8A6)
YUV	126.9320, 19.2605, -111.3194
Hunter-Lab	60.8557, -36.0329, 1.7200

Details

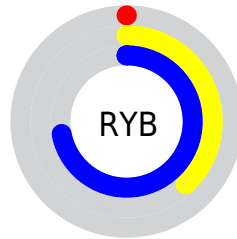
The XYZ color **24.0234, 37.0342, 41.9585** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **19.8775, 10.2350, 1.5013**, and the grayscale version is **20.1140, 21.1615, 23.0449**.

A 20% lighter version of the original color is **49.5434, 70.7277, 79.4472**, and **11.0199, 17.1802, 18.6549** is the 20% darker color. If you saturate the color by 10%, you get **24.0239, 37.0354, 41.9582**, and if you desaturate by 10%, it is **24.4480, 37.2347, 42.8475**.

Distribution



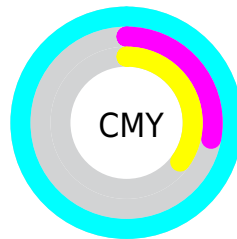
- Red (0%)
- Green (72%)
- Blue (65%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0234, 37.0342, 41.9585 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 24.0234, 37.0342, 41.9585 by changing the saturation by 10% instead.


 24.0234, 37.0342,
41.9585


 24.0234, 37.0342,
41.9585


265.3770,
333.4586, 370.1055


 15.4758, 25.2340,
28.7435


 49.5228, 70.6254,
79.4062


 9.2425, 16.2515,
18.6429


 67.2053, 93.1851,
104.4760


 4.9581, 9.7023,
11.2384


 88.6635, 120.1002,
134.3344

 2.2572, 5.2020,
6.1112

 114.2627,
151.7549, 169.4001

 0.7726, 2.3663,
2.8429

 144.3683,
188.5337, 210.0915

 0.0000, 0.8085,
1.0150

179.3457,

 0.0000, 0.0000,

230.8210, 256.8271

0.0000

219.5601,
279.0011, 310.0256

■ 24.0234, 37.0342,
41.9585

■ 24.0234, 37.0342,
41.9585

■ 24.0239, 37.0354,
41.9582

■ 24.4480, 37.2347,
42.8475

■ 25.1159, 37.5596,
43.7591

■ 26.1182, 38.0565,
44.6986

■ 27.4989, 38.7483,
45.6680

■ 29.2956, 39.6542,
46.6691

■ 31.5410, 40.7911,
47.7036

■ 34.2648, 42.1745,
48.7728

■ 37.4940, 43.8181,
49.8780

■ 41.2537, 45.7349,
51.0205

Harmonies

Analogous

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



25.1330, 37.0342, 25.8359



24.0234, 37.0342, 41.9585



25.5856, 37.0342, 63.1048

Triad

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



24.0234, 37.0342, 41.9585



42.4480, 37.0342, 79.1738



41.3524, 37.0342, 15.9766

Complementary

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



24.0234, 37.0342, 41.9585



19.8775, 10.2350, 1.5013

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.



46.9635, 37.0342, 23.8147



24.0234, 37.0342, 41.9585



47.6493, 37.0342, 59.4135

Square

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



24.0234, 37.0342, 41.9585



35.7661, 37.0342, 88.3692



49.3956, 37.0342, 38.7324



34.6397, 37.0342, 13.8958

Rectangle

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



24.0234, 37.0342, 41.9585



28.0611, 37.0342, 76.4276



49.3956, 37.0342, 38.7324



43.4570, 37.0342, 17.8730

Sweetspot

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



24.0245, 37.0356, 41.9594



61.8356, 76.3095, 88.3094



17.3987, 34.4150, 5.7265



12.8660, 16.2147, 18.8615



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.



24.0245, 37.0356, 41.9594



43.4984, 67.1143, 75.7944



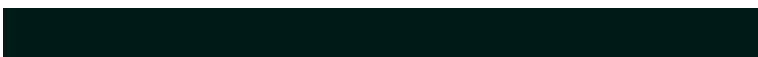
14.2728, 14.7019, 47.4345



9.2278, 10.1951, 11.3568



16.5711, 25.5294, 28.9930



0.5952, 0.9044, 1.0803

Inverse Universe

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



19.8775, 10.2350, 1.5013



35.9927, 18.5365, 2.5155



22.1912, 15.0372, 1.7336



9.0394, 9.0261, 9.5547



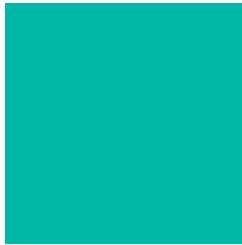
13.7112, 7.0582, 1.0999



0.4953, 0.2536, 0.1017

Previews

White Background



This preview shows how the XYZ color 24.0234, 37.0342, 41.9585 looks on a white background.

Color Contrast Check

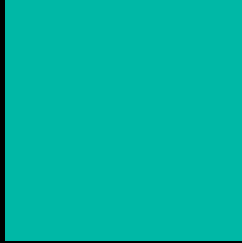
Large Text (above 18pt) WCAG AA × Fail

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 24.0234, 37.0342, 41.9585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

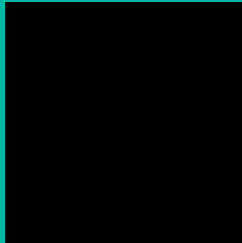
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

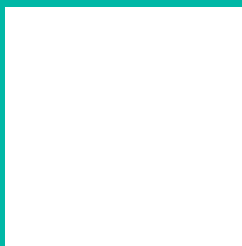
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0234, 37.0342, 41.9585

Background



This preview shows how black text looks on a background with the XYZ color 24.0234, 37.0342, 41.9585.

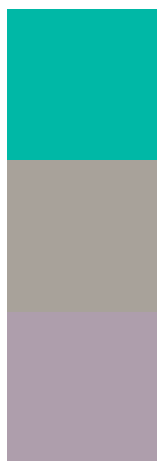


This preview shows how white text looks on a background with the XYZ color 24.0234, 37.0342,

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

24.0234, 37.0342, 41.9585

Protanopia

34.9015, 36.4986, 35.7773

Deuteranopia

37.1288, 36.4309, 44.1047



Tritanopia

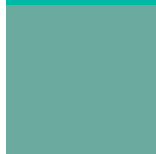
27.2312, 37.1419, 56.7728

Trichromacy



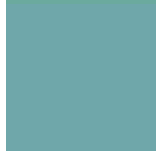
Original Color

24.0234, 37.0342, 41.9585



Protanomaly

26.6097, 34.3439, 37.5743



Deuteranomaly

27.6300, 33.9192, 43.1210



Tritanomaly

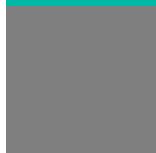
25.7110, 36.7845, 51.0924

Monochromacy



Original Color

24.0234, 37.0342, 41.9585



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.7910, 24.8522, 29.0059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0234, 37.0342, 41.9585 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 166) }
```

Border

The CSS property to change the border of an element to XYZ 24.0234, 37.0342, 41.9585 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, 166) }
```


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

```
.border{ border-color:rgb(0, 184, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0234, 37.0342, 41.9585 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, 166) }
```

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

```
.background{ background-color: rgb(0, 184,  
166) }
```

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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