

Converting Colors

XYZ(15.9389, 33.8104, 41.8507)

Have a look what the booklet for
XYZ(15.9389, 33.8104, 41.8507)
contains.

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Color

**XYZ(24.6533, 38.2938,
42.1685)**

Conversions

Conversions Part 1

Format	Color
Hex	00BBA6
RGB	0, 187, 166
RGB Percent	0%, 73%, 65%
CMY	0.9999, 0.2667, 0.3490
CMYK	1.00, 0.00, 0.11, 0.27
HSL	173°, 100%, 37%
HSV	173°, 100%, 73%
XYZ	24.6533, 38.2938, 42.1685
YIQ	128.6930, -104.7110, -46.1750

Conversions

Conversions Part 2

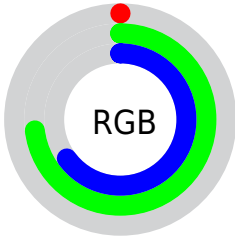
Format	Color
RYB	0, 99, 187
Decimal	48038
CIELab	68.24, -44.22, -0.55
CIELCh	68, 44.221, 180.709
Yxy	38.2938, 0.2345, 0.3643
Android (android.graphics.Color)	4278238118 (0xFF00BBA6)
YUV	128.6930, 18.3924, -112.8638
Hunter-Lab	61.8820, -37.1805, 2.9152

Details

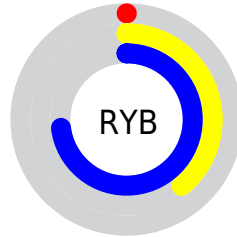
The XYZ color **24.6533, 38.2938, 42.1685** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **20.6302, 10.6202, 1.6738**, and the grayscale version is **20.7269, 21.8063, 23.7471**.

A 20% lighter version of the original color is **50.5474, 72.5745, 79.7508**, and **11.4248, 17.9900, 18.7898** is the 20% darker color. If you saturate the color by 10%, you get **24.6536, 38.2949, 42.1675**, and if you desaturate by 10%, it is **25.1117, 38.5086, 43.2050**.

Distribution



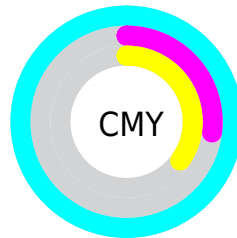
- Red (0%)
- Green (73%)
- Blue (65%)



- Red (0%)
- Yellow (39%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (27%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6533, 38.2938, 42.1685 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 24.6533, 38.2938, 42.1685 by changing the saturation by 10% instead.


 24.6533, 38.2938,
42.1685

 24.6533, 38.2938,
42.1685


268.4865,
338.8786, 371.0012


 15.9463, 26.2108,
28.9067


 50.5412, 72.5582,
79.7274

 9.5768, 16.9814,
18.7653


 68.4527, 95.5085,
104.8616


 5.1794, 10.2212,
11.3257


 90.1632, 122.8499,
134.7904

 2.3887, 5.5459,
6.1694

 116.0379,
154.9669, 169.9322

 0.8395, 2.5710,
2.8779

 146.4423,
192.2438, 210.7057

 0.0000, 0.9121,
1.0326

181.7416,

 0.0000, 0.0000,

235.0652, 257.5293

0.0000

222.3012,
283.8153, 310.8216

■ 24.6533, 38.2938,
42.1685

■ 24.6533, 38.2938,
42.1685

■ 24.6536, 38.2949,
42.1675

■ 25.1117, 38.5086,
43.2050

■ 25.8244, 38.8532,
44.2690

■ 26.8849, 39.3767,
45.3660

■ 28.3391, 40.1028,
46.4980

■ 30.2260, 41.0516,
47.6669

■ 32.5798, 42.2407,
48.8746

■ 35.4313, 43.6861,
50.1224

■ 38.8088, 45.4022,
51.4118

■ 42.7382, 47.4025,
52.7440

Harmonies

Analogous

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



25.9872, 38.2938, 25.7000



24.6533, 38.2938, 42.1685



26.1189, 38.2938, 64.3260

Triad

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



24.6533, 38.2938, 42.1685



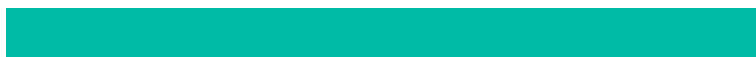
43.6195, 38.2938, 83.7606



43.2987, 38.2938, 16.5188

Complementary

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



24.6533, 38.2938, 42.1685



20.6302, 10.6202, 1.6738

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.



49.0698, 38.2938, 25.1133



24.6533, 38.2938, 42.1685



49.2709, 38.2938, 63.2423

Square

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



24.6533, 38.2938, 42.1685



36.5619, 38.2938, 92.5495



51.3797, 38.2938, 41.2259



36.2328, 38.2938, 14.0303

Rectangle

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



24.6533, 38.2938, 42.1685



28.6085, 38.2938, 78.6631



51.3797, 38.2938, 41.2259



45.4847, 38.2938, 18.6197

Sweetspot

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



24.6544, 38.2953, 42.1694



63.1762, 78.0974, 89.6519



18.0986, 35.7107, 5.9400



13.4157, 16.9464, 19.5327



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.



24.6544, 38.2953, 42.1694



44.0974, 68.5615, 75.2259



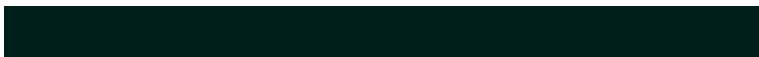
15.1390, 15.9254, 49.2912



9.7612, 10.7906, 11.9918



17.0028, 26.3914, 29.1410



0.6793, 1.0391, 1.2116

Inverse Universe

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



20.6302, 10.6202, 1.6738



36.9041, 19.0016, 2.7724



22.7927, 15.1620, 1.7262



9.5726, 9.5533, 10.1382



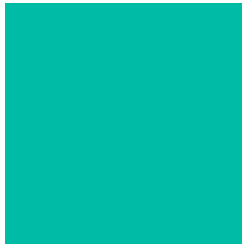
14.2274, 7.3221, 1.2254



0.5719, 0.2927, 0.1250

Previews

White Background



This preview shows how the XYZ color 24.6533, 38.2938, 42.1685 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 24.6533, 38.2938, 42.1685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

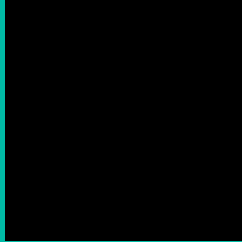
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

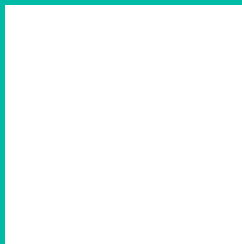
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.6533, 38.2938, 42.1685

Background



This preview shows how black text looks on a background with the XYZ color 24.6533, 38.2938, 42.1685.

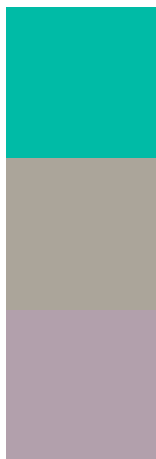


This preview shows how white text looks on a background with the XYZ color 24.6533, 38.2938,

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

24.6533, 38.2938, 42.1685

Protanopia

36.0825, 37.9013, 35.9858

Deuteranopia

38.3773, 37.5851, 44.2617



Tritanopia

28.0726, 38.1401, 58.7055

Trichromacy



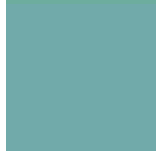
Original Color

24.6533, 38.2938, 42.1685



Protanomaly

27.4218, 35.6070, 37.7753



Deuteranomaly

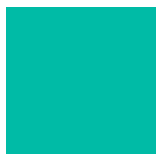
28.4405, 35.1624, 43.3183



Tritanomaly

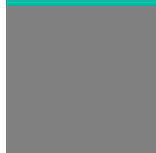
26.5685, 38.1175, 52.4115

Monochromacy



Original Color

24.6533, 38.2938, 42.1685



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.2685, 25.5595, 29.5091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6533, 38.2938, 42.1685 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, 187, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 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, 187, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 166) }
```

Border

The CSS property to change the border of an element to XYZ 24.6533, 38.2938, 42.1685 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, 187, 166) }
```


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

```
.border{ border-color:rgb(0, 187, 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, 187, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6533, 38.2938, 42.1685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 166) }
```

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

```
.background{ background-color: rgb(0, 187,  
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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