

Converting Colors

XYZ(15.6411, 33.8137, 42.1981)

Have a look what the booklet for
XYZ(15.6411, 33.8137, 42.1981)
contains.

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Color

**XYZ(24.9583, 38.7565,
42.7245)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCA7
RGB	0, 188, 167
RGB Percent	0%, 74%, 65%
CMY	0.9999, 0.2627, 0.3451
CMYK	1.00, 0.00, 0.11, 0.26
HSL	173°, 100%, 37%
HSV	173°, 100%, 74%
XYZ	24.9583, 38.7565, 42.7245
YIQ	129.3940, -105.3070, -46.3870

Conversions

Conversions Part 2

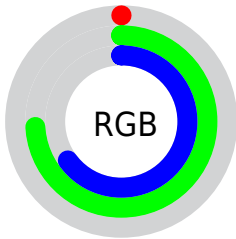
Format	Color
RYB	0, 100, 188
Decimal	48295
CIELab	68.57, -44.36, -0.60
CIELCh	69, 44.368, 180.778
Yxy	38.7565, 0.2345, 0.3641
Android (android.graphics.Color)	4278238375 (0xFF00BCA7)
YUV	129.3940, 18.5398, -113.4785
Hunter-Lab	62.2547, -37.3840, 2.8884

Details

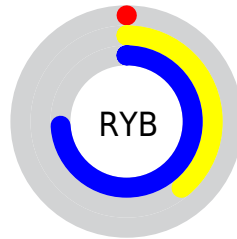
The XYZ color **24.9583, 38.7565, 42.7245** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **20.8758, 10.7467, 1.6851**, and the grayscale version is **20.9716, 22.0637, 24.0274**.

A 20% lighter version of the original color is **50.9828, 73.2314, 80.5552**, and **11.6196, 18.2880, 19.1372** is the 20% darker color. If you saturate the color by 10%, you get **24.9587, 38.7576, 42.7237**, and if you desaturate by 10%, it is **25.4201, 38.9729, 43.7690**.

Distribution



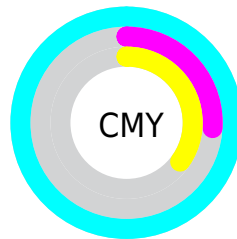
- Red (0%)
- Green (74%)
- Blue (65%)



- Red (0%)
- Yellow (39%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (26%)




- Cyan (100%)
- Magenta (26%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9583, 38.7565, 42.7245 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 24.9583, 38.7565, 42.7245 by changing the saturation by 10% instead.


 24.9583, 38.7565,
42.7245


 24.9583, 38.7565,
42.7245


269.9817,
340.8541, 373.3654


 16.1746, 26.5704,
29.3392


 51.0329, 73.2662,
80.5768


 9.7394, 17.2508,
19.0898


 69.0546, 96.3585,
105.8810


 5.2874, 10.4135,
11.5577


 90.8862, 123.8550,
135.9952

 2.4534, 5.6740,
6.3244

 116.8931,
156.1401, 171.3379

 0.8718, 2.6479,
2.9714

 147.4408,
193.5982, 212.3278

 0.0000, 0.9508,
1.0800

182.8946,

 0.0000, 0.0000,

236.6136, 259.3833

0.0000

223.6197,
285.5708, 312.9230

■ 24.9583, 38.7565,
42.7245

■ 24.9583, 38.7565,
42.7245

■ 24.9587, 38.7576,
42.7237

■ 25.4201, 38.9729,
43.7690

■ 26.1397, 39.3208,
44.8413

■ 27.2112, 39.8498,
45.9466

■ 28.6812, 40.5840,
47.0873

■ 30.5894, 41.5436,
48.2653

■ 32.9704, 42.7465,
49.4822

■ 35.8553, 44.2089,
50.7396

■ 39.2728, 45.9455,
52.0390

■ 43.2491, 47.9698,
53.3816

Harmonies

Analogous

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



26.3012, 38.7565, 26.0490



24.9583, 38.7565, 42.7245



26.4474, 38.7565, 65.1389

Triad

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



24.9583, 38.7565, 42.7245



44.1571, 38.7565, 84.6995



43.8010, 38.7565, 16.7183

Complementary

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



24.9583, 38.7565, 42.7245



20.8758, 10.7467, 1.6851

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.



49.6431, 38.7565, 25.3977



24.9583, 38.7565, 42.7245



49.8663, 38.7565, 63.9363

Square

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



24.9583, 38.7565, 42.7245



37.0198, 38.7565, 93.6228



51.9889, 38.7565, 41.6783



36.6545, 38.7565, 14.2126

Rectangle

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



24.9583, 38.7565, 42.7245



28.9698, 38.7565, 79.6279



51.9889, 38.7565, 41.6783



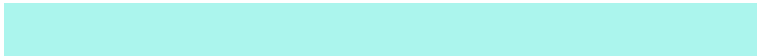
46.0131, 38.7565, 18.8391

Sweetspot

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



24.9594, 38.7580, 42.7254



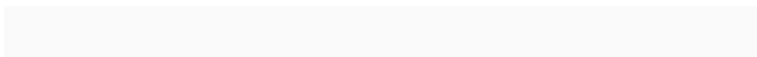
64.6920, 79.9730, 91.8374



18.3140, 36.1379, 6.0110



13.4172, 16.9470, 19.5409



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.



24.9594, 38.7580, 42.7254



45.1748, 70.2170, 77.1247



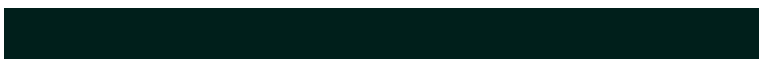
15.3171, 16.1097, 49.8808



9.7614, 10.7907, 11.9931



17.0098, 26.3942, 29.1779



0.6795, 1.0392, 1.2127

Inverse Universe

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



20.8758, 10.7467, 1.6851



37.7884, 19.4573, 2.8223



23.0629, 15.3378, 1.7458



9.5724, 9.5532, 10.1370



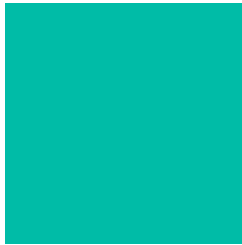
14.2267, 7.3218, 1.2214



0.5718, 0.2926, 0.1245

Previews

White Background



This preview shows how the XYZ color 24.9583, 38.7565, 42.7245 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 24.9583, 38.7565, 42.7245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

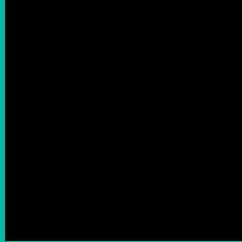
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

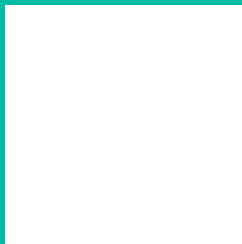
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9583, 38.7565, 42.7245

Background



This preview shows how black text looks on a background with the XYZ color 24.9583, 38.7565, 42.7245.

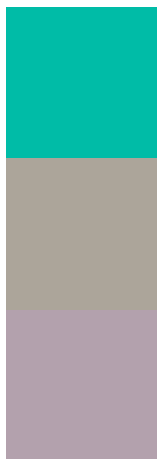


This preview shows how white text looks on a background with the XYZ color 24.9583, 38.7565,

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

24.9583, 38.7565, 42.7245

Protanopia

36.3011, 38.0140, 35.9960

Deuteranopia

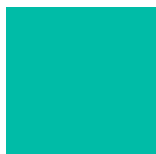
38.8781, 38.0906, 44.8383



Tritanopia

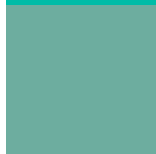
28.3932, 38.5972, 59.3796

Trichromacy



Original Color

24.9583, 38.7565, 42.7245



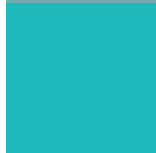
Protanomaly

27.5083, 35.6416, 38.2306



Deuteranomaly

28.8530, 35.6435, 43.8872



Tritanomaly

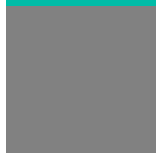
26.8837, 38.5771, 53.0429

Monochromacy



Original Color

24.9583, 38.7565, 42.7245



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.3439, 25.5897, 29.9064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9583, 38.7565, 42.7245 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, 188, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 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, 188, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 167) }
```

Border

The CSS property to change the border of an element to XYZ 24.9583, 38.7565, 42.7245 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, 188, 167) }
```


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

```
.border{ border-color:rgb(0, 188, 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, 188, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9583, 38.7565, 42.7245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 167) }
```

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

```
.background{ background-color: rgb(0, 188,  
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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