

Converting Colors

XYZ(21.4703, 38.8203, 49.9081)

Have a look what the booklet for
XYZ(21.4703, 38.8203, 49.9081)
contains.

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Color

**XYZ(27.6323, 41.9198,
50.3510)**

Conversions

Conversions Part 1

Format	Color
Hex	00C2B5
RGB	0, 194, 181
RGB Percent	0%, 76%, 71%
CMY	0.9999, 0.2392, 0.2902
CMYK	1.00, 0.00, 0.07, 0.24
HSL	176°, 100%, 38%
HSV	176°, 100%, 76%
XYZ	27.6323, 41.9198, 50.3510
YIQ	134.5120, -111.4510, -45.1710

Conversions

Conversions Part 2

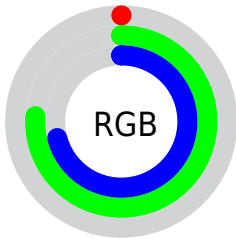
Format	Color
RYB	0, 100, 194
Decimal	49845
CIELab	70.82, -42.98, -4.98
CIELCh	71, 43.263, 186.608
Yxy	41.9198, 0.2305, 0.3496
Android (android.graphics.Color)	4278239925 (0xFF00C2B5)
YUV	134.5120, 22.9186, -117.9670
Hunter-Lab	64.7455, -37.1238, -0.7865

Details

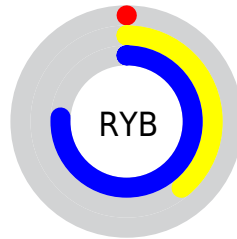
The XYZ color **27.6323, 41.9198, 50.3510** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **22.3222, 11.4997, 1.4252**, and the grayscale version is **22.8006, 23.9880, 26.1229**.

A 20% lighter version of the original color is **55.2627, 77.9336, 92.2508**, and **13.1289, 20.0238, 23.5951** is the 20% darker color. If you saturate the color by 10%, you get **27.6328, 41.9210, 50.3507**, and if you desaturate by 10%, it is **28.0443, 42.1177, 51.0711**.

Distribution



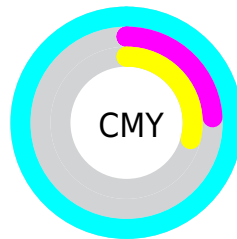
- Red (0%)
- Green (76%)
- Blue (71%)



- Red (0%)
- Yellow (39%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (24%)



- Cyan (100%)
- Magenta (24%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6323, 41.9198, 50.3510 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 27.6323, 41.9198, 50.3510 by changing the saturation by 10% instead.

■ 27.6323, 41.9198,
50.3510

■ 27.6323, 41.9198,
50.3510

282.8178,
354.1504, 404.8113

■ 18.1877, 29.0385,
35.3192

■ 55.3096, 78.0782,
92.0964

■ 11.1853, 19.1099,
23.6234

■ 74.2730, 102.1242,
119.6471

■ 6.2598, 11.7497,
14.8449

■ 97.1401, 130.6604,
152.2078

■ 3.0459, 6.5735,
8.5652

■ 124.2762,
164.0714, 190.1972

■ 1.1781, 3.1968,
4.3657

■ 156.0467,
202.7415, 234.0336

■ 0.0889, 1.2353,
1.8281

192.8168,

■ 0.0000, 0.0903,

247.0551, 284.1358

0.4464

234.9521,
297.3966, 340.9222

■ 0.0000, 0.0000,
0.0000

■ 27.6323, 41.9198,
50.3510

■ 27.6323, 41.9198,
50.3510

■ 27.6328, 41.9210,
50.3507

■ 28.0443, 42.1177,
51.0711

■ 28.7331, 42.4571,
51.8097

■ 29.7979, 42.9902,
52.5725

■ 31.2892, 43.7431,
53.3618

■ 33.2499, 44.7378,
54.1796

■ 35.7173, 45.9936,
55.0277

■ 38.7252, 47.5279,
55.9077

■ 42.3045, 49.3565,
56.8211

■ 46.4835, 51.4942,
57.7692

Harmonies

Analogous

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



28.4584, 41.9198, 31.6647



27.6323, 41.9198, 50.3510



29.7480, 41.9198, 73.5464

Triad

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



27.6323, 41.9198, 50.3510



48.6656, 41.9198, 85.3546



45.5857, 41.9198, 18.1032

Complementary

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



27.6323, 41.9198, 50.3510



22.3222, 11.4997, 1.4252

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.



51.9980, 41.9198, 25.8765



27.6323, 41.9198, 50.3510



53.9203, 41.9198, 63.2285

Square

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



27.6323, 41.9198, 50.3510



41.4550, 41.9198, 97.3254



55.2077, 41.9198, 41.2390



38.2743, 41.9198, 16.5366

Rectangle

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



27.6323, 41.9198, 50.3510



32.7116, 41.9198, 87.3029



55.2077, 41.9198, 41.2390



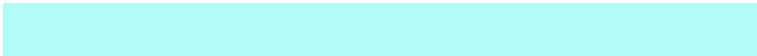
47.9433, 41.9198, 19.9323

Sweetspot

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



27.6335, 41.9214, 50.3520



69.8647, 85.9559, 101.2071



19.5098, 38.6969, 6.4420



14.7640, 18.5502, 22.0118



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.6335, 41.9214, 50.3520



50.0237, 75.9325, 91.0179



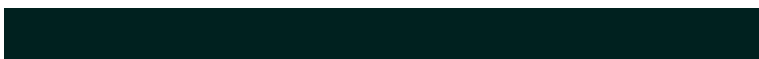
15.6640, 15.7467, 53.2545



10.3385, 11.4164, 12.7856



18.1793, 27.5658, 33.1668



0.7944, 1.1946, 1.4801

Inverse Universe

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



22.3222, 11.4997, 1.4252



40.4086, 20.8198, 2.4160



25.1808, 17.3333, 2.0195



10.1000, 10.0886, 10.6170



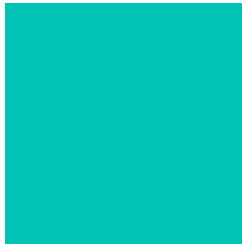
14.6866, 7.5644, 0.9956



0.6442, 0.3307, 0.0937

Previews

White Background



This preview shows how the XYZ color 27.6323, 41.9198, 50.3510 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 27.6323, 41.9198, 50.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

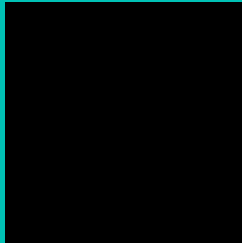
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

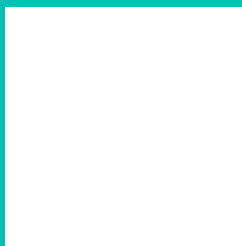
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6323, 41.9198, 50.3510

Background



This preview shows how black text looks on a background with the XYZ color 27.6323, 41.9198, 50.3510.

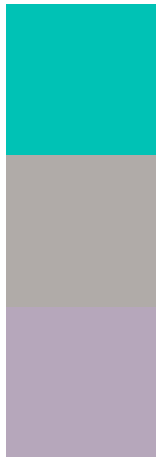


This preview shows how white text looks on a background with the XYZ color 27.6323, 41.9198,

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

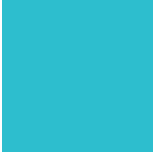
27.6323, 41.9198, 50.3510

Protanopia

39.5353, 41.1831, 42.9112

Deuteranopia

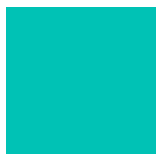
42.0798, 41.1704, 52.7425



Tritanopia

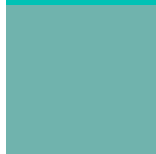
30.6362, 41.8410, 64.8539

Trichromacy



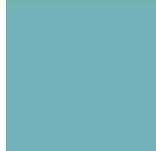
Original Color

27.6323, 41.9198, 50.3510



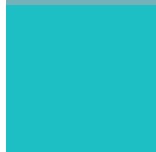
Protanomaly

30.3450, 38.7021, 45.4061



Deuteranomaly

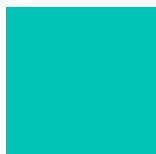
31.6816, 38.6601, 51.6913



Tritanomaly

29.2155, 41.5540, 59.3042

Monochromacy



Original Color

27.6323, 41.9198, 50.3510



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.3937, 28.0224, 33.9871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6323, 41.9198, 50.3510 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, 194, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 181)  
}
```

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, 194, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 181) }
```

Border

The CSS property to change the border of an element to XYZ 27.6323, 41.9198, 50.3510 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, 194, 181) }
```


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

```
.border{ border-color:rgb(0, 194, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6323, 41.9198, 50.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 181) }
```

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

```
.background{ background-color: rgb(0, 194,  
181) }
```

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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