

Converting Colors

XYZ(20.7787, 38.0729, 48.5673)

Have a look what the booklet for
XYZ(20.7787, 38.0729, 48.5673)
contains.

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Color

**XYZ(27.1058, 41.3543,
48.6730)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1B2
RGB	0, 193, 178
RGB Percent	0%, 76%, 70%
CMY	0.9999, 0.2431, 0.3020
CMYK	1.00, 0.00, 0.08, 0.24
HSL	175°, 100%, 38%
HSV	175°, 100%, 76%
XYZ	27.1058, 41.3543, 48.6730
YIQ	133.5830, -110.2130, -45.5810

Conversions

Conversions Part 2

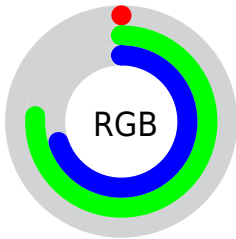
Format	Color
RYB	0, 100, 193
Decimal	49586
CIELab	70.42, -43.40, -3.92
CIELCh	70, 43.579, 185.157
Yxy	41.3543, 0.2314, 0.3531
Android (android.graphics.Color)	4278239666 (0xFF00C1B2)
YUV	133.5830, 21.8976, -117.1523
Hunter-Lab	64.3073, -37.2993, 0.1396

Details

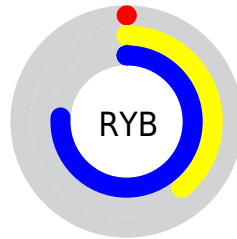
The XYZ color **27.1058, 41.3543, 48.6730** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **22.0798, 11.3731, 1.4845**, and the grayscale version is **22.4620, 23.6318, 25.7350**.

A 20% lighter version of the original color is **54.5164, 77.1365, 89.8574**, and **12.7902, 19.6576, 22.5222** is the 20% darker color. If you saturate the color by 10%, you get **27.1064, 41.3556, 48.6728**, and if you desaturate by 10%, it is **27.5332, 41.5581, 49.4847**.

Distribution



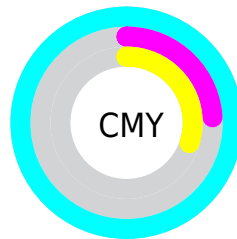
- Red (0%)
- Green (76%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (24%)



- Cyan (100%)
- Magenta (24%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1058, 41.3543, 48.6730 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 27.1058, 41.3543, 48.6730 by changing the saturation by 10% instead.

■ 27.1058, 41.3543,
48.6730

■ 27.1058, 41.3543,
48.6730

280.3272,
351.7992, 398.0390

■ 17.7897, 28.5960,
33.9964

■ 54.4723, 77.2214,
89.5815

■ 10.8979, 18.7754,
22.6135

■ 73.2534, 101.0991,
116.6506

■ 6.0650, 11.5081,
14.1058

■ 95.9202, 129.4520,
148.6874

■ 2.9257, 6.4097,
8.0547

■ 122.8380,
162.6646, 186.1108

■ 1.1146, 3.0958,
4.0417

■ 154.3723,
201.1212, 229.3390

■ 0.0373, 1.1819,
1.6482

190.8884,

■ 0.0000, 0.0469,

245.2062, 278.7908

0.3249

232.7516,
295.3041, 334.8846

■ 0.0000, 0.0000,
0.0000

■ 27.1058, 41.3543,
48.6730

■ 27.1058, 41.3543,
48.6730

■ 27.1064, 41.3556,
48.6728

■ 27.5332, 41.5581,
49.4847

■ 28.2341, 41.9017,
50.3170

■ 29.3070, 42.4369,
51.1753

■ 30.8018, 43.1894,
52.0620

■ 32.7607, 44.1810,
52.9791

■ 35.2206, 45.4307,
53.9285

■ 38.2149, 46.9556,
54.9116

■ 41.7740, 48.7716,
55.9299

■ 45.9260, 50.8930,
56.9848

Harmonies

Analogous

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



28.0698, 41.3543, 30.3856



27.1058, 41.3543, 48.6730



29.0722, 41.3543, 71.8225

Triad

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



27.1058, 41.3543, 48.6730



47.7963, 41.3543, 85.6664



45.3911, 41.3543, 17.8500

Complementary

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



27.1058, 41.3543, 48.6730



22.0798, 11.3731, 1.4845

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.



51.6973, 41.3543, 25.8950



27.1058, 41.3543, 48.6730



53.2000, 41.3543, 63.7489

Square

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



27.1058, 41.3543, 48.6730



40.5590, 41.3543, 96.9483



54.7077, 41.3543, 41.5693



38.0791, 41.3543, 16.0291

Rectangle

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



27.1058, 41.3543, 48.6730



31.9398, 41.3543, 85.8572



54.7077, 41.3543, 41.5693



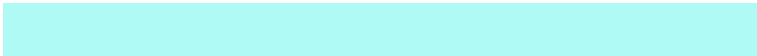
47.7258, 41.3543, 19.7638

Sweetspot

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



27.1070, 41.3559, 48.6740



68.1581, 83.9510, 98.2570



19.2864, 38.2525, 6.3678



14.1119, 17.7503, 20.9176



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.1070, 41.3559, 48.6740



48.5040, 74.0489, 86.9481



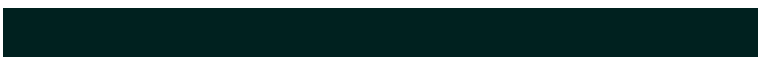
15.4866, 15.5711, 52.6431



10.3337, 11.4145, 12.7604



18.0419, 27.5108, 32.4431



0.7898, 1.1928, 1.4556

Inverse Universe

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



22.0798, 11.3731, 1.4845



39.5097, 20.3540, 2.4817



24.8938, 17.1391, 1.9969



10.1043, 10.0903, 10.6396



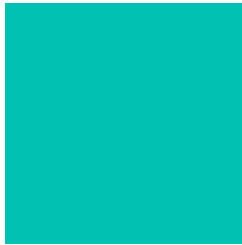
14.6969, 7.5685, 1.0500



0.6461, 0.3315, 0.1039

Previews

White Background



This preview shows how the XYZ color 27.1058, 41.3543, 48.6730 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 27.1058, 41.3543, 48.6730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

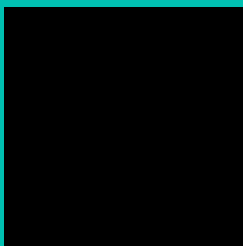
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

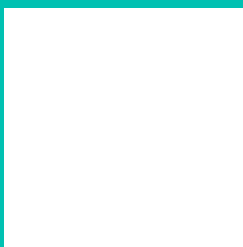
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.1058, 41.3543, 48.6730

Background



This preview shows how black text looks on a background with the XYZ color 27.1058, 41.3543, 48.6730.

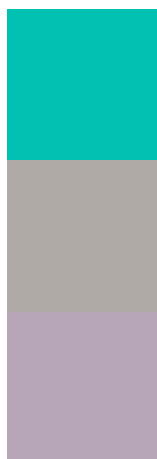


This preview shows how white text looks on a background with the XYZ color 27.1058, 41.3543,

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

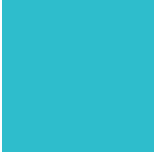
27.1058, 41.3543, 48.6730

Protanopia

38.8455, 40.5800, 41.3827

Deuteranopia

41.5794, 40.6782, 51.0076



Tritanopia

30.2234, 41.3357, 63.5124

Trichromacy



Original Color

27.1058, 41.3543, 48.6730



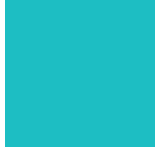
Protanomaly

29.7316, 38.1226, 43.8216



Deuteranomaly

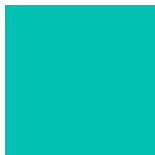
31.1713, 38.1411, 49.9750



Tritanomaly

28.7705, 41.0283, 58.0326

Monochromacy



Original Color

27.1058, 41.3543, 48.6730



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

20.9727, 27.5760, 33.0715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1058, 41.3543, 48.6730 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, 193, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 178)  
}
```

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, 193, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 178) }
```

Border

The CSS property to change the border of an element to XYZ 27.1058, 41.3543, 48.6730 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, 193, 178) }
```


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

```
.border{ border-color:rgb(0, 193, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1058, 41.3543, 48.6730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 178) }
```

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

```
.background{ background-color: rgb(0, 193,  
178) }
```

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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