

Converting Colors

XYZ(20.8850, 37.9720, 47.2559)

Have a look what the booklet for
XYZ(20.8850, 37.9720, 47.2559)
contains.

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Color

**XYZ(26.6861, 40.8339,
47.5495)**

Conversions

Conversions Part 1

Format	Color
Hex	00C0B0
RGB	0, 192, 176
RGB Percent	0%, 75%, 69%
CMY	0.9999, 0.2470, 0.3098
CMYK	1.00, 0.00, 0.08, 0.25
HSL	175°, 100%, 38%
HSV	175°, 100%, 75%
XYZ	26.6861, 40.8339, 47.5495
YIQ	132.7680, -109.2960, -45.6800

Conversions

Conversions Part 2

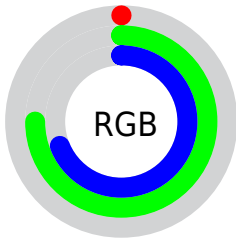
Format	Color
RYB	0, 100, 192
Decimal	49328
CIELab	70.06, -43.54, -3.36
CIELCh	70, 43.670, 184.411
Yxy	40.8339, 0.2319, 0.3549
Android (android.graphics.Color)	4278239408 (0xFF00C0B0)
YUV	132.7680, 21.3134, -116.4375
Hunter-Lab	63.9014, -37.2834, 0.6129

Details

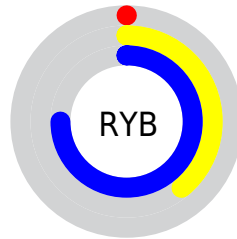
The XYZ color **26.6861, 40.8339, 47.5495** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **21.8331, 11.2450, 1.5112**, and the grayscale version is **22.1673, 23.3217, 25.3973**.

A 20% lighter version of the original color is **53.8080, 76.3443, 88.2439**, and **12.7266, 19.6322, 22.1874** is the 20% darker color. If you saturate the color by 10%, you get **26.6867, 40.8351, 47.5491**, and if you desaturate by 10%, it is **27.1193, 41.0398, 48.4023**.

Distribution



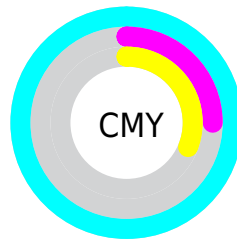
- Red (0%)
- Green (75%)
- Blue (69%)



- Red (0%)
- Yellow (39%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.6861, 40.8339, 47.5495 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 26.6861, 40.8339, 47.5495 by changing the saturation by 10% instead.

■ 26.6861, 40.8339,
47.5495

■ 26.6861, 40.8339,
47.5495

278.3294,
349.6259, 393.4607

■ 17.4730, 28.1893,
33.1128

■ 53.8032, 76.4317,
87.8918

■ 10.6697, 18.4684,
21.9411

■ 72.4379, 100.1537,
114.6345

■ 5.9108, 11.2868,
13.6157

■ 94.9438, 128.3369,
146.3164

■ 2.8311, 6.2601,
7.7182

■ 121.6863,
161.3658, 183.3558

■ 1.0651, 3.0039,
3.8300

■ 153.0308,
199.6248, 226.1714

■ 0.0000, 1.1338,
1.5325

189.3425,

■ 0.0000, 0.0066,

243.4982, 275.1818

0.2420

230.9870,
293.3704, 330.8054

■ 0.0000, 0.0000,
0.0000

■ 26.6861, 40.8339,
47.5495

■ 26.6861, 40.8339,
47.5495

■ 26.6867, 40.8351,
47.5491

■ 27.1193, 41.0398,
48.4023

■ 27.8228, 41.3838,
49.2766

■ 28.8941, 41.9172,
50.1779

■ 30.3825, 42.6655,
51.1086

■ 32.3296, 43.6500,
52.0706

■ 34.7720, 44.8896,
53.0658

■ 37.7424, 46.4012,
54.0956

■ 41.2711, 48.2003,
55.1614

■ 45.3856, 50.3013,
56.2647

Harmonies

Analogous

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



27.7148, 40.8339, 29.5699



26.6861, 40.8339, 47.5495



28.5656, 40.8339, 70.5408

Triad

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



26.6861, 40.8339, 47.5495



47.0846, 40.8339, 85.3483



45.0378, 40.8339, 17.6218

Complementary

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



26.6861, 40.8339, 47.5495



21.8331, 11.2450, 1.5112

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.



51.2538, 40.8339, 25.7614



26.6861, 40.8339, 47.5495



52.5334, 40.8339, 63.6631

Square

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



26.6861, 40.8339, 47.5495



39.8753, 40.8339, 96.2104



54.1450, 40.8339, 41.5096



37.7666, 40.8339, 15.6828

Rectangle

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



26.6861, 40.8339, 47.5495



31.3683, 40.8339, 84.6356



54.1450, 40.8339, 41.5096



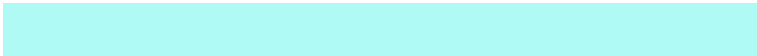
47.3475, 40.8339, 19.5682

Sweetspot

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



26.6873, 40.8354, 47.5505



68.0942, 83.9254, 97.9206



19.1235, 37.8414, 6.2971



14.0964, 17.7441, 20.8357



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.



26.6873, 40.8354, 47.5505



48.3072, 73.9701, 85.9115



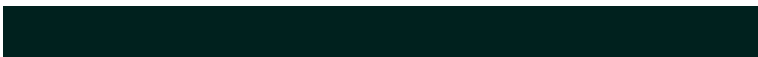
15.6703, 16.1164, 52.1558



10.3312, 11.4135, 12.7471



17.9706, 27.4823, 32.0680



0.7873, 1.1918, 1.4429

Inverse Universe

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



21.8331, 11.2450, 1.5112



39.5223, 20.3590, 2.5479



24.3804, 16.4895, 1.8987



10.1065, 10.0912, 10.6515



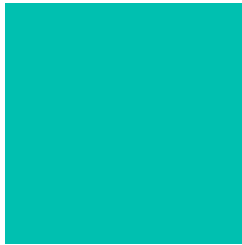
14.7027, 7.5708, 1.0805



0.6471, 0.3319, 0.1093

Previews

White Background



This preview shows how the XYZ color 26.6861, 40.8339, 47.5495 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 26.6861, 40.8339, 47.5495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

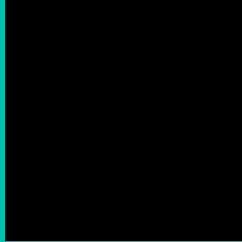
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

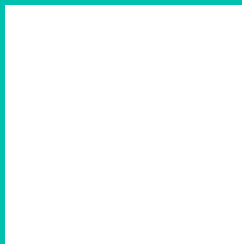
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.6861, 40.8339, 47.5495

Background



This preview shows how black text looks on a background with the XYZ color 26.6861, 40.8339, 47.5495.

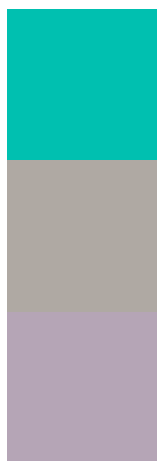


This preview shows how white text looks on a background with the XYZ color 26.6861, 40.8339,

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

26.6861, 40.8339, 47.5495

Protanopia

38.4780, 40.1342, 40.3690

Deuteranopia

40.9547, 40.1114, 49.8397



Tritanopia

29.9350, 40.8826, 62.8133

Trichromacy



Original Color

26.6861, 40.8339, 47.5495



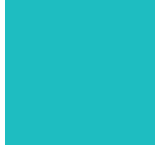
Protanomaly

29.3456, 37.6509, 42.7665



Deuteranomaly

30.6384, 37.6001, 48.8227



Tritanomaly

28.3587, 40.5215, 56.7788

Monochromacy



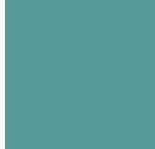
Original Color

26.6861, 40.8339, 47.5495



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.7267, 27.2124, 32.5939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.6861, 40.8339, 47.5495 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, 192, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 176)  
}
```

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, 192, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 176) }
```

Border

The CSS property to change the border of an element to XYZ 26.6861, 40.8339, 47.5495 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, 192, 176) }
```


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

```
.border{ border-color:rgb(0, 192, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 26.6861, 40.8339, 47.5495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 176) }
```

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

```
.background{ background-color: rgb(0, 192,  
176) }
```

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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