

Converting Colors

XYZ(26.1682, 42.4285, 44.0703)

Have a look what the booklet for
XYZ(26.1682, 42.4285, 44.0703)
contains.

| | |
|--|----|
| XYZ(27.0341, 42.7597, 43.8744) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(27.0341, 42.7597,
43.8744)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00C5A8 |
| RGB | 0, 197, 168 |
| RGB Percent | 0%, 77%, 66% |
| CMY | 0.9999, 0.2274, 0.3412 |
| CMYK | 1.00, 0.00, 0.15, 0.23 |
| HSL | 171°, 100%, 39% |
| HSV | 171°, 100%, 77% |
| XYZ | 27.0341, 42.7597, 43.8744 |
| YIQ | 134.7910, -108.1030, -50.7830 |

Conversions

Conversions Part 2

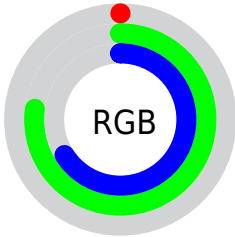
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 106, 197 |
| Decimal | 50600 |
| CIELab | 71.39, -47.87, 2.95 |
| CIELCh | 71, 47.957, 176.470 |
| Yxy | 42.7597, 0.2378, 0.3762 |
| Android (android.graphics.Color) | 4278240680 (0xFF00C5A8) |
| YUV | 134.7910, 16.3720, -118.2117 |
| Hunter-Lab | 65.3909, -40.6381, 5.9927 |

Details

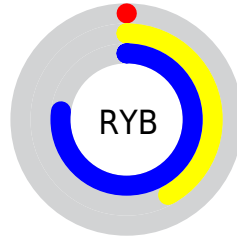
The XYZ color **27.0341, 42.7597, 43.8744** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.2491, 11.9601, 2.2472**, and the grayscale version is **22.9248, 24.1187, 26.2652**.

A 20% lighter version of the original color is **54.4461, 79.6144, 82.3095**, and **12.8254, 20.6070, 19.8246** is the 20% darker color. If you saturate the color by 10%, you get **27.0347, 42.7611, 43.8737**, and if you desaturate by 10%, it is **27.5912, 43.0164, 45.3279**.

Distribution



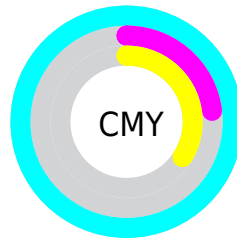
- Red (0%)
- Green (77%)
- Blue (66%)



- Red (0%)
- Yellow (42%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.0341, 42.7597, 43.8744 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 27.0341, 42.7597, 43.8744 by changing the saturation by 10% instead.


 27.0341, 42.7597,
43.8744


 27.0341, 42.7597,
43.8744


279.9867,
357.6226, 378.2218


 17.7356, 29.6966,
30.2353


 54.3581, 79.3481,
82.3292


 10.8588, 19.6084,
19.7637


 73.1142, 103.6422,
107.9819


 6.0386, 12.1107,
12.0410


 95.7536, 132.4488,
138.4763

 2.9094, 6.8191,
6.6487

 122.6416,
166.1523, 174.2309

 1.1061, 3.3492,
3.1683

 154.1436,
205.1370, 215.6642

 0.0302, 1.3167,
1.1812

190.6248,

 0.0000, 0.1541,

249.7873, 263.1948

0.0000

232.4508,
300.4878, 317.2411

■ 0.0000, 0.0000,
0.0000

■ 27.0341, 42.7597,
43.8744

■ 27.0341, 42.7597,
43.8744

■ 27.0347, 42.7611,
43.8737

■ 27.5912, 43.0164,
45.3279

■ 28.4406, 43.4219,
46.8259

■ 29.6843, 44.0301,
48.3741

■ 31.3748, 44.8679,
49.9754

■ 33.5566, 45.9582,
51.6318

■ 36.2686, 47.3212,
53.3456

■ 39.5460, 48.9749,
55.1184

■ 43.4208, 50.9359,
56.9521

■ 47.9225, 53.2193,
58.8481

Harmonies

Analogous

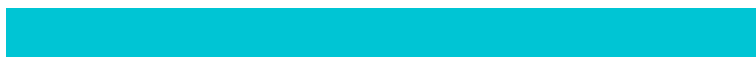
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.0269, 42.7597, 26.0664



27.0341, 42.7597, 43.8744



28.2700, 42.7597, 69.3173

Triad

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



27.0341, 42.7597, 43.8744



47.9608, 42.7597, 98.7675



49.8330, 42.7597, 18.4627

Complementary

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



27.0341, 42.7597, 43.8744



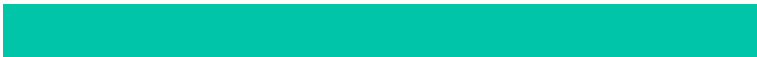
23.2491, 11.9601, 2.2472

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.



56.1807, 42.7597, 29.4211



27.0341, 42.7597, 43.8744



55.0031, 42.7597, 75.6838

Square

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



27.0341, 42.7597, 43.8744



39.6936, 42.7597, 106.5169



58.1869, 42.7597, 49.3489



41.6050, 42.7597, 14.7901

Rectangle

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



27.0341, 42.7597, 43.8744



30.8610, 42.7597, 86.7984



58.1869, 42.7597, 49.3489



52.2974, 42.7597, 21.1927

Sweetspot

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



27.0353, 42.7613, 43.8754



70.5242, 87.5599, 98.5623



20.4901, 40.2036, 6.6808



14.5345, 18.4583, 20.8031



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.



27.0353, 42.7613, 43.8754



48.3438, 76.5535, 78.1853



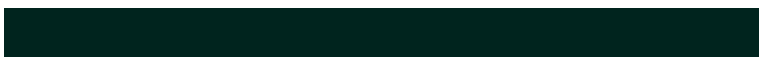
17.8058, 19.4856, 55.6479



10.8770, 12.0397, 13.3024



17.8055, 28.1346, 28.9840



0.8619, 1.3397, 1.4714

Inverse Universe

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



23.2491, 11.9601, 2.2472



41.5825, 21.3970, 3.7338



25.1530, 16.1229, 1.7870



10.6964, 10.6620, 11.3848



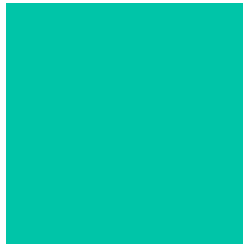
15.3104, 7.8737, 1.5785



0.7459, 0.3812, 0.1852

Previews

White Background



This preview shows how the XYZ color 27.0341, 42.7597, 43.8744 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 27.0341, 42.7597, 43.8744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

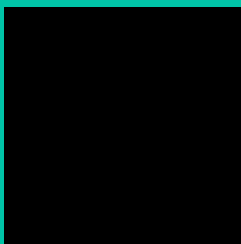
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

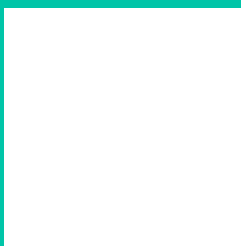
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.0341, 42.7597, 43.8744

Background



This preview shows how black text looks on a background with the XYZ color 27.0341, 42.7597, 43.8744.

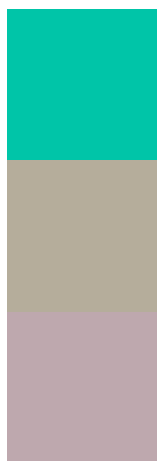


This preview shows how white text looks on a background with the XYZ color 27.0341, 42.7597,

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

27.0341, 42.7597, 43.8744

Protanopia

39.9160, 42.0775, 37.0283

Deuteranopia

42.8778, 42.0084, 45.8929



Tritanopia

31.6877, 43.0165, 65.6644

Trichromacy



Original Color

27.0341, 42.7597, 43.8744



Protanomaly

30.1433, 39.6388, 39.3200



Deuteranomaly

31.4517, 39.2837, 44.9546



Tritanomaly

29.6106, 42.7912, 57.1510

Monochromacy



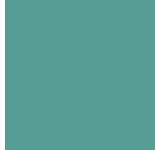
Original Color

27.0341, 42.7597, 43.8744



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.3311, 28.5387, 31.9880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0341, 42.7597, 43.8744 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, 197, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 168)  
}
```

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, 197, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 168) }
```

Border

The CSS property to change the border of an element to XYZ 27.0341, 42.7597, 43.8744 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, 197, 168) }
```


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

```
.border{ border-color:rgb(0, 197, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0341, 42.7597, 43.8744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 168) }
```

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

```
.background{ background-color: rgb(0, 197,  
168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor