

Converting Colors

XYZ(26.0676, 40.7504, 52.8376)

Have a look what the booklet for
XYZ(26.0676, 40.7504, 52.8376)
contains.

XYZ(27.9329, 41.6851, 53.0282)	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(27.9329, 41.6851,
53.0282)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1BA
RGB	0, 193, 186
RGB Percent	0%, 76%, 73%
CMY	0.9999, 0.2431, 0.2706
CMYK	1.00, 0.00, 0.04, 0.24
HSL	178°, 100%, 38%
HSV	178°, 100%, 76%
XYZ	27.9329, 41.6851, 53.0282
YIQ	134.4950, -112.7810, -43.0930

Conversions

Conversions Part 2

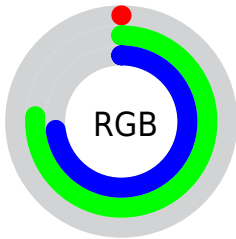
Format	Color
RYB	0, 98, 193
Decimal	49594
CIELab	70.65, -41.08, -7.95
CIELCh	71, 41.841, 190.956
Yxy	41.6851, 0.2278, 0.3399
Android (android.graphics.Color)	4278239674 (0xFF00C1BA)
YUV	134.4950, 25.3920, -117.9521
Hunter-Lab	64.5640, -35.7609, -3.5017

Details

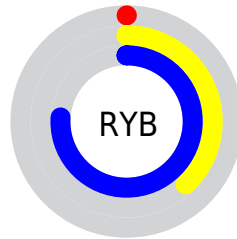
The XYZ color **27.9329, 41.6851, 53.0282** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **22.0320, 11.3541, 1.2325**, and the grayscale version is **22.7860, 23.9727, 26.1062**.

A 20% lighter version of the original color is **55.6921, 77.6068, 96.0487**, and **13.4663, 20.1587, 25.3716** is the 20% darker color. If you saturate the color by 10%, you get **27.9335, 41.6864, 53.0284**, and if you desaturate by 10%, it is **28.2835, 41.8582, 53.4352**.

Distribution



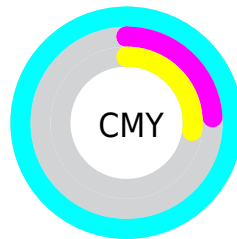
- Red (0%)
- Green (76%)
- Blue (73%)



- Red (0%)
- Yellow (38%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9329, 41.6851, 53.0282 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 27.9329, 41.6851, 53.0282 by changing the saturation by 10% instead.


 27.9329, 41.6851,
53.0282


 27.9329, 41.6851,
53.0282


284.2320,
353.1759, 415.4627


 18.4153, 28.8548,
37.4374


 55.7867, 77.7228,
96.0878


 11.3500, 18.9710,
25.2479


 74.8536, 101.6990,
124.3937

 6.3718, 11.6493,
16.0411


 97.8342, 130.1593,
157.7751

 3.1153, 6.5054,
9.3986

 125.0941,
163.4881, 196.6505

 1.2150, 3.1547,
4.9017

 156.9984,
202.0697, 241.4384

 0.1182, 1.2130,
2.1320

193.9126,

 0.0000, 0.0723,

246.2886, 292.5573

0.6347

236.2020,
296.5292, 350.4259

■ 0.0000, 0.0000,
0.0000

■ 27.9329, 41.6851,
53.0282

■ 27.9329, 41.6851,
53.0282

■ 27.9335, 41.6864,
53.0284

■ 28.2835, 41.8582,
53.4352

■ 28.9064, 42.1706,
53.8559

■ 29.9001, 42.6741,
54.2958

■ 31.3144, 43.3945,
54.7573

■ 33.1914, 44.3534,
55.2424

■ 35.5683, 45.5698,
55.7529

■ 38.4782, 47.0611,
56.2902

■ 41.9516, 48.8427,
56.8557

■ 46.0166, 50.9294,
57.4509

Harmonies

Analogous

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



28.3197, 41.6851, 34.0476



27.9329, 41.6851, 53.0282



30.3913, 41.6851, 75.2534

Triad

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



27.9329, 41.6851, 53.0282



49.0049, 41.6851, 80.7078



44.1259, 41.6851, 18.0418

Complementary

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



27.9329, 41.6851, 53.0282



22.0320, 11.3541, 1.2325

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.



50.5510, 41.6851, 24.6998



27.9329, 41.6851, 53.0282



53.5868, 41.6851, 59.0025

Square

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



27.9329, 41.6851, 53.0282



42.2054, 41.6851, 94.0643



54.1835, 41.6851, 38.5193



37.1433, 41.6851, 17.2996

Rectangle

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



27.9329, 41.6851, 53.0282



33.5013, 41.6851, 87.5553



54.1835, 41.6851, 38.5193



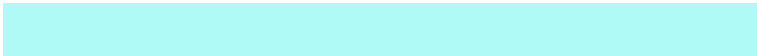
46.4427, 41.6851, 19.5459

Sweetspot

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



27.9341, 41.6867, 53.0292



68.6343, 84.1415, 100.7648



19.1921, 38.2038, 6.3636



14.2279, 17.7967, 21.5286



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.



27.9341, 41.6867, 53.0292



50.0067, 74.6500, 94.8614



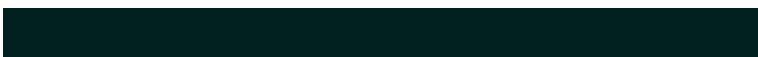
14.7979, 14.1935, 52.4134



10.3522, 11.4219, 12.8582



18.5852, 27.7281, 35.3041



0.8080, 1.2001, 1.5518

Inverse Universe

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



22.0320, 11.3541, 1.2325



39.4382, 20.3254, 2.1049



25.3911, 18.1336, 2.1630



10.0877, 10.0837, 10.5523



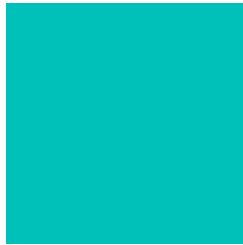
14.6594, 7.5535, 0.8527



0.6386, 0.3284, 0.0643

Previews

White Background



This preview shows how the XYZ color 27.9329, 41.6851, 53.0282 looks on a white background.

Color Contrast Check

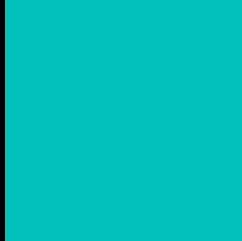
Large Text (above 18pt) WCAG AA × Fail

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 27.9329, 41.6851, 53.0282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

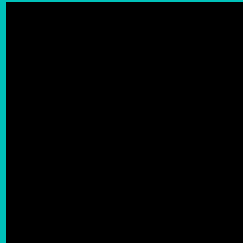
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

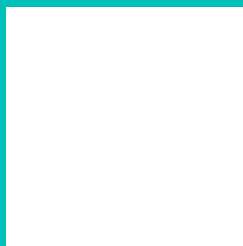
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9329, 41.6851, 53.0282

Background



This preview shows how black text looks on a background with the XYZ color 27.9329, 41.6851, 53.0282.

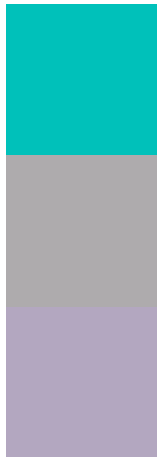


This preview shows how white text looks on a background with the XYZ color 27.9329, 41.6851,

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

27.9329, 41.6851, 53.0282

Protanopia

39.5613, 41.1416, 45.3912

Deuteranopia

41.9236, 41.0269, 55.5785



Tritanopia

30.4685, 41.7546, 64.8461

Trichromacy



Original Color

27.9329, 41.6851, 53.0282



Protanomaly

30.7115, 38.8341, 47.9965



Deuteranomaly

31.7590, 38.3458, 54.4428



Tritanomaly

29.3656, 41.6047, 60.5156

Monochromacy



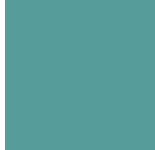
Original Color

27.9329, 41.6851, 53.0282



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.5590, 28.0885, 34.8572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9329, 41.6851, 53.0282 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 186)  
}
```

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, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 186) }
```

Border

The CSS property to change the border of an element to XYZ 27.9329, 41.6851, 53.0282 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, 186) }
```


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

```
.border{ border-color:rgb(0, 193, 186) }
```

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, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9329, 41.6851, 53.0282 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, 186) }
```

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

```
.background{ background-color: rgb(0, 193,  
186) }
```

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