

Converting Colors

XYZ(18.9382, 37.1627, 54.3815)

Have a look what the booklet for
XYZ(18.9382, 37.1627, 54.3815)
contains.

XYZ(28.2553, 41.8141, 54.7258)	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(28.2553, 41.8141,
54.7258)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1BD
RGB	0, 193, 189
RGB Percent	0%, 76%, 74%
CMY	0.9998, 0.2431, 0.2588
CMYK	1.00, 0.00, 0.02, 0.24
HSL	179°, 100%, 38%
HSV	179°, 100%, 76%
XYZ	28.2553, 41.8141, 54.7258
YIQ	134.8370, -113.7440, -42.1600

Conversions

Conversions Part 2

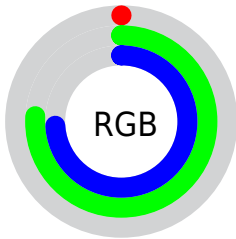
Format	Color
RYB	0, 98, 193
Decimal	49597
CIELab	70.74, -40.19, -9.46
CIELCh	71, 41.288, 193.245
Yxy	41.8141, 0.2264, 0.3351
Android (android.graphics.Color)	4278239677 (0xFF00C1BD)
YUV	134.8370, 26.7024, -118.2520
Hunter-Lab	64.6638, -35.1649, -4.9132

Details

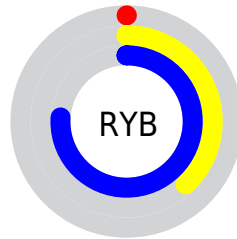
The XYZ color **28.2553, 41.8141, 54.7258** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **22.0156, 11.3476, 1.1460**, and the grayscale version is **22.9080, 24.1010, 26.2460**.

A 20% lighter version of the original color is **56.2606, 77.8474, 98.4470**, and **13.6766, 20.2428, 26.4790** is the 20% darker color. If you saturate the color by 10%, you get **28.2560, 41.8154, 54.7263**, and if you desaturate by 10%, it is **28.5748, 41.9747, 54.9688**.

Distribution



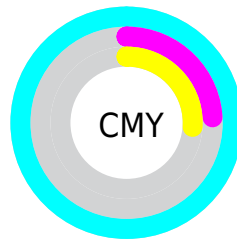
- Red (0%)
- Green (76%)
- Blue (74%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)



- Cyan (100%)
- Magenta (24%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2553, 41.8141, 54.7258 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 28.2553, 41.8141, 54.7258 by changing the saturation by 10% instead.

■ 28.2553, 41.8141,
54.7258

■ 28.2553, 41.8141,
54.7258

285.7428,
353.7117, 422.1243

■ 18.6596, 28.9558,
38.7851

■ 56.2976, 77.9182,
98.6062

■ 11.5271, 19.0474,
26.2861

■ 75.4749, 101.9327,
127.3830

■ 6.4925, 11.7045,
16.8101

■ 98.5768, 130.4348,
161.2756

■ 3.1903, 6.5428,
9.9387

■ 125.9687,
163.8088, 200.7025

■ 1.2552, 3.1779,
5.2532

■ 158.0159,
202.4391, 246.0823

■ 0.1493, 1.2253,
2.3353

195.0837,

■ 0.0000, 0.0822,

246.7101, 297.8335

0.7509

237.5376,
297.0061, 356.3747

■ 0.0000, 0.0000,
0.0000

■ 28.2553, 41.8141,
54.7258

■ 28.2553, 41.8141,
54.7258

■ 28.2560, 41.8154,
54.7263

■ 28.5748, 41.9747,
54.9688

■ 29.1664, 42.2746,
55.2243

■ 30.1285, 42.7655,
55.4977

■ 31.5109, 43.4731,
55.7914

■ 33.3559, 44.4192,
56.1074

■ 35.7004, 45.6227,
56.4474

■ 38.5777, 47.1009,
56.8129

■ 42.0183, 48.8695,
57.2055

■ 46.0503, 50.9429,
57.6263

Harmonies

Analogous

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



28.4219, 41.8141, 35.5005



28.2553, 41.8141, 54.7258



30.9032, 41.8141, 76.5567

Triad

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



28.2553, 41.8141, 54.7258



49.4632, 41.8141, 78.8891



43.6607, 41.8141, 18.1258

Complementary

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



28.2553, 41.8141, 54.7258



22.0156, 11.3476, 1.1460

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.



50.1259, 41.8141, 24.2727



28.2553, 41.8141, 54.7258



53.7304, 41.8141, 57.2866

Square

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



28.2553, 41.8141, 54.7258



42.8366, 41.8141, 92.9793



53.9860, 41.8141, 37.4240



36.8021, 41.8141, 17.8042

Rectangle

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



28.2553, 41.8141, 54.7258



34.1057, 41.8141, 88.1808



53.9860, 41.8141, 37.4240



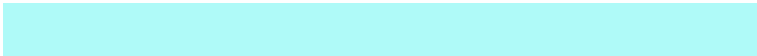
45.9697, 41.8141, 19.4764

Sweetspot

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



28.2566, 41.8157, 54.7268



68.8149, 84.2137, 101.7160



19.1518, 38.1831, 6.3618



14.2720, 17.8143, 21.7608



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.



28.2566, 41.8157, 54.7268



50.5929, 74.8844, 97.9480



14.4721, 13.5419, 52.3049



10.3592, 11.4247, 12.8950



18.7968, 27.8128, 36.4187



0.8151, 1.2029, 1.5889

Inverse Universe

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



22.0156, 11.3476, 1.1460



39.4169, 20.3169, 1.9929



25.6570, 18.6653, 2.2516



10.0815, 10.0812, 10.5196



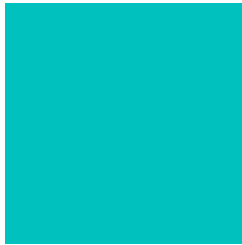
14.6458, 7.5481, 0.7807



0.6358, 0.3273, 0.0494

Previews

White Background



This preview shows how the XYZ color 28.2553, 41.8141, 54.7258 looks on a white background.

Color Contrast Check

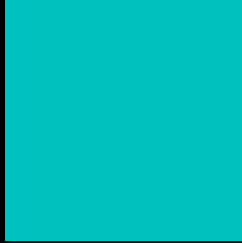
Large Text (above 18pt) WCAG AA × Fail

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 28.2553, 41.8141, 54.7258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

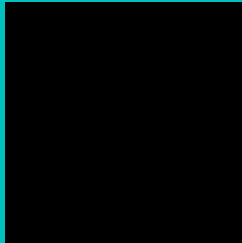
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

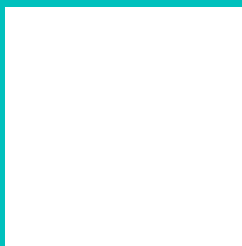
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2553, 41.8141, 54.7258

Background



This preview shows how black text looks on a background with the XYZ color 28.2553, 41.8141, 54.7258.

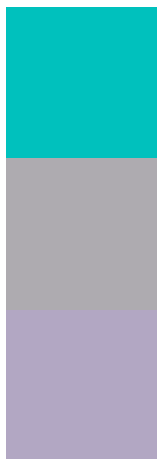


This preview shows how white text looks on a background with the XYZ color 28.2553, 41.8141,

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

28.2553, 41.8141, 54.7258

Protanopia

39.8549, 41.2591, 46.9375

Deuteranopia

42.0291, 41.0425, 57.3366



Tritanopia

30.3907, 41.7145, 64.8425

Trichromacy



Original Color

28.2553, 41.8141, 54.7258



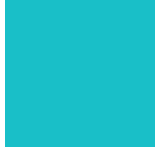
Protanomaly

31.0161, 38.9559, 49.6006



Deuteranomaly

31.9610, 38.4116, 56.1817



Tritanomaly

29.4570, 41.6384, 61.1281

Monochromacy



Original Color

28.2553, 41.8141, 54.7258



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.6426, 28.1219, 35.2977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2553, 41.8141, 54.7258 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 189) }
```

Border

The CSS property to change the border of an element to XYZ 28.2553, 41.8141, 54.7258 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, 189) }
```


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

```
.border{ border-color:rgb(0, 193, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2553, 41.8141, 54.7258 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, 189) }
```

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

```
.background{ background-color: rgb(0, 193,  
189) }
```

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