

Converting Colors

XYZ(15.3356, 35.4480, 53.8319)

Have a look what the booklet for
XYZ(15.3356, 35.4480, 53.8319)
contains.

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Color

**XYZ(28.3689, 42.2144,
54.2300)**

Conversions

Conversions Part 1

Format	Color
Hex	00C2BC
RGB	0, 194, 188
RGB Percent	0%, 76%, 74%
CMY	0.9998, 0.2392, 0.2627
CMYK	1.00, 0.00, 0.03, 0.24
HSL	178°, 100%, 38%
HSV	178°, 100%, 76%
XYZ	28.3689, 42.2144, 54.2300
YIQ	135.3100, -113.6980, -42.9940

Conversions

Conversions Part 2

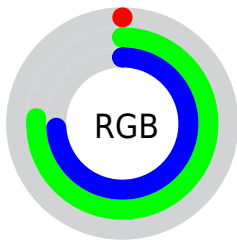
Format	Color
RYB	0, 99, 194
Decimal	49852
CIELab	71.02, -40.93, -8.50
CIElCh	71, 41.806, 191.735
Yxy	42.2144, 0.2273, 0.3382
Android (android.graphics.Color)	4278239932 (0xFF00C2BC)
YUV	135.3100, 25.9762, -118.6669
Hunter-Lab	64.9726, -35.7639, -4.0061

Details

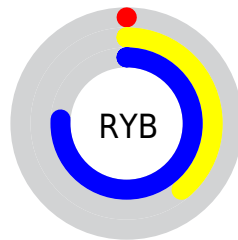
The XYZ color **28.3689, 42.2144, 54.2300** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **22.2824, 11.4838, 1.2157**, and the grayscale version is **23.0859, 24.2881, 26.4498**.

A 20% lighter version of the original color is **56.4198, 78.4096, 97.7489**, and **13.7513, 20.5054, 26.1548** is the 20% darker color. If you saturate the color by 10%, you get **28.3695, 42.2157, 54.2303**, and if you desaturate by 10%, it is **28.7118, 42.3846, 54.5855**.

Distribution



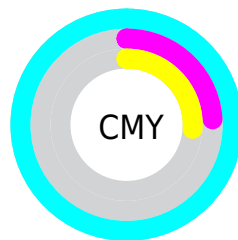
- Red (0%)
- Green (76%)
- Blue (74%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3689, 42.2144, 54.2300 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 28.3689, 42.2144, 54.2300 by changing the saturation by 10% instead.


 28.3689, 42.2144,
54.2300


 28.3689, 42.2144,
54.2300


286.2737,
355.3709, 420.1859


 18.7458, 29.2692,
38.3911


 56.4774, 78.5240,
97.8717


 11.5897, 19.2846,
25.9822


 75.6935, 102.6572,
126.5116


 6.5351, 11.8761,
16.5847


 98.8380, 131.2885,
160.2556

 3.2168, 6.6594,
9.7800

 126.2763,
164.8024, 199.5222

 1.2694, 3.2500,
5.1497

 158.3736,
203.5832, 244.7300

 0.1602, 1.2636,
2.2751

195.4954,

 0.0000, 0.1128,

248.0153, 296.2975

0.7172

238.0070,
298.4830, 354.6433

■ 0.0000, 0.0000,
0.0000

■ 28.3689, 42.2144,
54.2300

■ 28.3689, 42.2144,
54.2300

■ 28.3695, 42.2157,
54.2303

■ 28.7118, 42.3846,
54.5855

■ 29.3303, 42.6959,
54.9544

■ 30.3240, 43.2006,
55.3423

■ 31.7433, 43.9247,
55.7514

■ 33.6308, 44.8902,
56.1839

■ 36.0242, 46.1163,
56.6415

■ 38.9570, 47.6206,
57.1258

■ 42.4602, 49.4188,
57.6381

■ 46.5621, 51.5257,
58.1799

Harmonies

Analogous

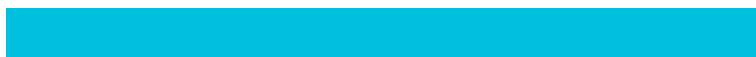
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.6840, 42.2144, 34.9427



28.3689, 42.2144, 54.2300



30.9213, 42.2144, 76.5799

Triad

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



28.3689, 42.2144, 54.2300



49.7336, 42.2144, 81.0129



44.4771, 42.2144, 18.2800

Complementary

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



28.3689, 42.2144, 54.2300



22.2824, 11.4838, 1.2157

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.



50.9912, 42.2144, 24.8376



28.3689, 42.2144, 54.2300



54.2600, 42.2144, 59.0894

Square

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



28.3689, 42.2144, 54.2300



42.9144, 42.2144, 94.7820



54.7452, 42.2144, 38.5843



37.4563, 42.2144, 17.6742

Rectangle

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



28.3689, 42.2144, 54.2300



34.0995, 42.2144, 88.7914



54.7452, 42.2144, 38.5843



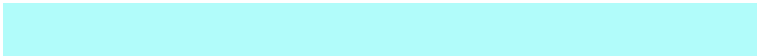
46.8182, 42.2144, 19.7484

Sweetspot

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



28.3702, 42.2160, 54.2310



70.2906, 86.1263, 103.4496



19.3741, 38.6269, 6.4358



14.8701, 18.5926, 22.5707



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.



28.3702, 42.2160, 54.2310



51.3783, 76.4743, 98.1507



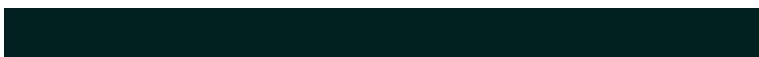
14.6372, 13.6930, 52.9121



10.3546, 11.4229, 12.8709



18.6574, 27.7570, 35.6846



0.8104, 1.2010, 1.5645

Inverse Universe

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



22.2824, 11.4838, 1.2157



40.3508, 20.7967, 2.1117



25.9523, 18.8762, 2.2768



10.0855, 10.0828, 10.5410



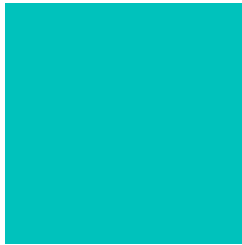
14.6547, 7.5516, 0.8280



0.6376, 0.3281, 0.0592

Previews

White Background



This preview shows how the XYZ color 28.3689, 42.2144, 54.2300 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 28.3689, 42.2144, 54.2300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

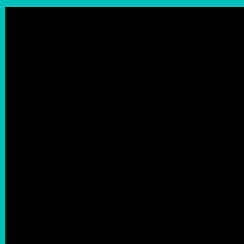
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

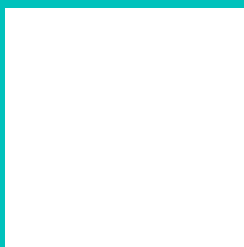
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3689, 42.2144, 54.2300

Background



This preview shows how black text looks on a background with the XYZ color 28.3689, 42.2144, 54.2300.

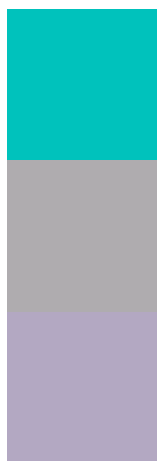


This preview shows how white text looks on a background with the XYZ color 28.3689, 42.2144,

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

28.3689, 42.2144, 54.2300

Protanopia

40.1696, 41.7142, 46.4919

Deuteranopia

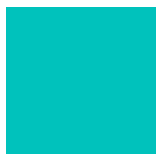
42.3306, 41.4840, 56.8151



Tritanopia

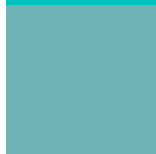
30.7684, 42.2177, 65.5587

Trichromacy



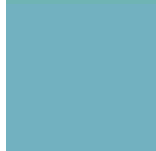
Original Color

28.3689, 42.2144, 54.2300



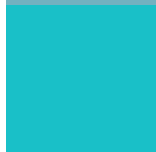
Protanomaly

31.1150, 39.3173, 49.1291



Deuteranomaly

32.1760, 38.8275, 55.6678



Tritanomaly

29.6759, 42.0761, 61.2010

Monochromacy



Original Color

28.3689, 42.2144, 54.2300



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 28.3689, 42.2144, 54.2300 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, 194, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 188)  
}
```

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, 194, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 188) }
```

Border

The CSS property to change the border of an element to XYZ 28.3689, 42.2144, 54.2300 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, 194, 188) }
```


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

```
.border{ border-color:rgb(0, 194, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3689, 42.2144, 54.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 188) }
```

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

```
.background{ background-color: rgb(0, 194,  
188) }
```

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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