

# Converting Colors

XYZ(28.5389, 42.2112, 55.3444)

Have a look what the booklet for  
XYZ(28.5389, 42.2112, 55.3444)  
contains.

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# Color

**XYZ(28.5861, 42.3013,  
55.3735)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C2BE
RGB	0, 194, 190
RGB Percent	0%, 76%, 75%
CMY	0.9998, 0.2392, 0.2549
CMYK	1.00, 0.00, 0.02, 0.24
HSL	179°, 100%, 38%
HSV	179°, 100%, 76%
XYZ	28.5861, 42.3013, 55.3735
YIQ	135.5380, -114.3400, -42.3720

# Conversions

## Conversions Part 2

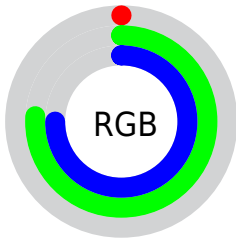
Format	Color
<a href="#">RYB</a>	0, 98, 194
Decimal	49854
CIELab	71.08, -40.34, -9.51
CIELCh	71, 41.444, 193.260
Yxy	42.3013, 0.2264, 0.3350
Android (android.graphics.Color)	4278239934 (0xFF00C2BE)
YUV	135.5380, 26.8498, -118.8668
Hunter-Lab	65.0394, -35.3648, -4.9509

# Details

The XYZ color **28.5861, 42.3013, 55.3735** 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 **22.2715, 11.4795, 1.1581**, and the grayscale version is **23.1681, 24.3747, 26.5440**.

A 20% lighter version of the original color is **56.7253, 78.5317, 99.3572**, and **13.8934, 20.5623, 26.9036** is the 20% darker color. If you saturate the color by 10%, you get **28.5867, 42.3026, 55.3740**, and if you desaturate by 10%, it is **28.9080, 42.4631, 55.6182**.

# Distribution



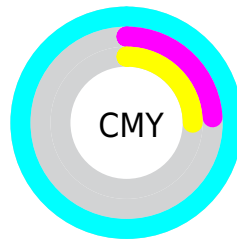
- Red (0%)
- Green (76%)
- Blue (75%)



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



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




- Cyan (100%)
- Magenta (24%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5861, 42.3013, 55.3735 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 28.5861, 42.3013, 55.3735 by changing the saturation by 10% instead.





 28.5861, 42.3013,  
55.3735


 28.5861, 42.3013,  
55.3735


287.2866,  
355.7304, 424.6480


 18.9106, 29.3373,  
39.3002


 56.8210, 78.6554,  
99.5646

 11.7093, 19.3361,  
26.6837


 76.1111, 102.8143,  
128.5195

 6.6169, 11.9134,  
17.1055


 99.3368, 131.4737,  
162.6054

 3.2679, 6.6847,  
10.1470

 126.8634,  
165.0178, 202.2407

 1.2969, 3.2657,  
5.3896

 159.0564,  
203.8312, 247.8441

 0.1809, 1.2720,  
2.4149

196.2810,

 0.0000, 0.1194,

248.2981, 299.8341

0.7946

238.9026,  
298.8031, 358.6292

■ 0.0000, 0.0000,  
0.0000

■ 28.5861, 42.3013,  
55.3735

■ 28.5861, 42.3013,  
55.3735

■ 28.5867, 42.3026,  
55.3740

■ 28.9080, 42.4631,  
55.6182

■ 29.5054, 42.7660,  
55.8755

■ 30.4778, 43.2622,  
56.1510

■ 31.8757, 43.9777,  
56.4470

■ 33.7417, 44.9346,  
56.7655

■ 36.1134, 46.1521,  
57.1083

■ 39.0244, 47.6476,  
57.4770

■ 42.5056, 49.4371,  
57.8731

■ 46.5855, 51.5352,  
58.2977

# Harmonies

## Analogous

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



28.7532, 42.3013, 35.9231



28.5861, 42.3013, 55.3735



31.2660, 42.3013, 77.4556

# Triad

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



28.5861, 42.3013, 55.3735



50.0415, 42.3013, 79.7948



44.1655, 42.3013, 18.3372

# Complementary

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



28.5861, 42.3013, 55.3735



22.2715, 11.4795, 1.1581

# 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.



50.7061, 42.3013, 24.5523



28.5861, 42.3013, 55.3735



54.3562, 42.3013, 57.9418

# Square

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



28.5861, 42.3013, 55.3735



43.3390, 42.3013, 94.0535



54.6126, 42.3013, 37.8523



37.2280, 42.3013, 18.0147



# Rectangle

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



28.5861, 42.3013, 55.3735



34.5064, 42.3013, 89.2104



54.6126, 42.3013, 37.8523



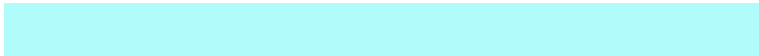
46.5013, 42.3013, 19.7025

# Sweetspot

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



28.5874, 42.3029, 55.3745



70.4134, 86.1754, 104.0962



19.3741, 38.6269, 6.4359



14.9008, 18.6049, 22.7320



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.



28.5874, 42.3029, 55.3745



51.7777, 76.6341, 100.2543



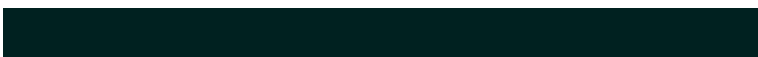
14.6375, 13.6934, 52.9122



10.3593, 11.4248, 12.8953



18.7983, 27.8134, 36.4265



0.8151, 1.2029, 1.5892



# Inverse Universe

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



22.2715, 11.4795, 1.1581



40.3366, 20.7910, 2.0366



25.9525, 18.8766, 2.2770



10.0814, 10.0812, 10.5194



14.6457, 7.5480, 0.7802

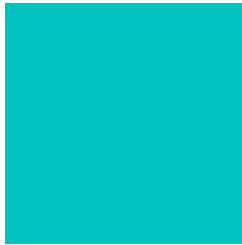


0.6358, 0.3273, 0.0493



# Previews

## White Background



This preview shows how the XYZ color 28.5861, 42.3013, 55.3735 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

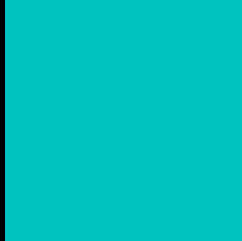
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.5861, 42.3013, 55.3735 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

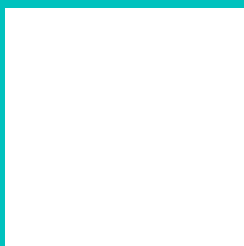
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 28.5861, 42.3013, 55.3735**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.5861, 42.3013, 55.3735.



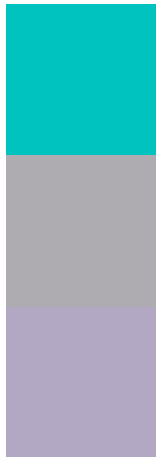
This preview shows how white text looks on a background with the XYZ color 28.5861, 42.3013,



# 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

28.5861, 42.3013, 55.3735

### Protanopia

40.3675, 41.7933, 47.5343

### Deuteranopia

42.5568, 41.5745, 58.0062



## Tritanopia

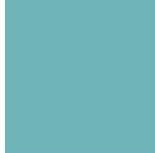
30.7300, 42.1979, 65.5569

# Trichromacy



## Original Color

28.5861, 42.3013, 55.3735



## Protanomaly

31.3203, 39.3994, 50.2101



## Deuteranomaly

32.3992, 38.9167, 56.8430



## Tritanomaly

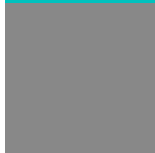
29.7932, 42.1230, 61.8186

# Monochromacy



## Original Color

28.5861, 42.3013, 55.3735



## Achromatopsia

23.4014, 24.6201, 26.8113



## Achromatomaly

21.9882, 28.5405, 35.8025

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.5861, 42.3013, 55.3735 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 28.5861, 42.3013, 55.3735 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, 190) }
```



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

```
.border{ border-color:rgb(0, 194, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.5861, 42.3013, 55.3735 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, 190) }
```

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

```
.background{ background-color: rgb(0, 194,  
190) }
```

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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