

# Converting Colors

XYZ(18.1357, 38.7585, 53.7484)

Have a look what the booklet for  
XYZ(18.1357, 38.7585, 53.7484)  
contains.

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# Color

**XYZ(29.3931, 44.4347,  
54.0413)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C7BB
RGB	0, 199, 187
RGB Percent	0%, 78%, 73%
CMY	0.9998, 0.2196, 0.2667
CMYK	1.00, 0.00, 0.06, 0.22
HSL	176°, 100%, 39%
HSV	176°, 100%, 78%
XYZ	29.3931, 44.4347, 54.0413
YIQ	138.1310, -114.7520, -45.9200

# Conversions

## Conversions Part 2

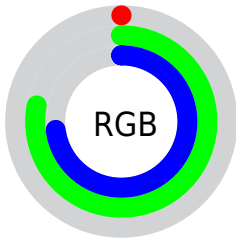
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 103, 199
Decimal	51131
CIELab	72.52, -43.42, -5.73
CIELCh	73, 43.799, 187.521
Yxy	44.4347, 0.2299, 0.3475
Android (android.graphics.Color)	4278241211 (0xFF00C7BB)
YUV	138.1310, 24.0924, -121.1409
Hunter-Lab	66.6594, -37.9452, -1.4053

# Details

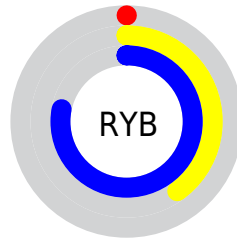
The XYZ color **29.3931, 44.4347, 54.0413** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **23.6210, 12.1701, 1.4533**, and the grayscale version is **24.1550, 25.4130, 27.6747**.

A 20% lighter version of the original color is **57.6466, 80.9341, 97.3776**, and **14.2763, 21.6677, 25.9841** is the 20% darker color. If you saturate the color by 10%, you get **29.3936, 44.4360, 54.0409**, and if you desaturate by 10%, it is **29.8103, 44.6359, 54.7355**.

# Distribution



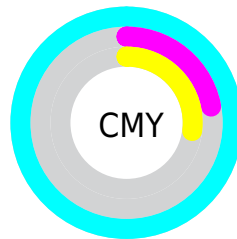
- Red (0%)
- Green (78%)
- Blue (73%)



- Red (0%)
- Yellow (40%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)




- Cyan (100%)
- Magenta (22%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3931, 44.4347, 54.0413 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 29.3931, 44.4347, 54.0413 by changing the saturation by 10% instead.





 29.3931, 44.4347,  
54.0413


 29.3931, 44.4347,  
54.0413


291.0261,  
364.4792, 419.4466


 19.5242, 31.0124,  
38.2413


 58.0943, 81.8715,  
97.5919

 12.1559, 20.6083,  
25.8667


 77.6573, 106.6547,  
126.1796


 6.9229, 12.8380,  
16.4991


 101.1824,  
135.9937, 159.8668

 3.4598, 7.3171,  
9.7198

 129.0348,  
170.2729, 199.0723

 1.4013, 3.6612,  
5.1104

 161.5801,  
209.8767, 244.2144

 0.2572, 1.4859,  
2.2523

199.1835,

 0.0000, 0.2788,

255.1894, 295.7118

0.7043

242.2104,  
306.5954, 353.9830

■ 0.0000, 0.0000,  
0.0000

■ 29.3931, 44.4347,  
54.0413

■ 29.3931, 44.4347,  
54.0413

■ 29.3936, 44.4360,  
54.0409

■ 29.8103, 44.6359,  
54.7355

■ 30.5221, 44.9878,  
55.4482

■ 31.6323, 45.5450,  
56.1851

■ 33.1949, 46.3352,  
56.9489

■ 35.2553, 47.3819,  
57.7416

■ 37.8534, 48.7058,  
58.5651

■ 41.0252, 50.3252,  
59.4212

■ 44.8034, 52.2572,  
60.3114

■ 49.2184, 54.5173,  
61.2371

# Harmonies

## Analogous

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



30.1695, 44.4347, 34.1389



29.3931, 44.4347, 54.0413



31.7164, 44.4347, 78.4445

# Triad

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



29.3931, 44.4347, 54.0413



51.7261, 44.4347, 89.5101



48.0426, 44.4347, 19.1965

# Complementary

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



29.3931, 44.4347, 54.0413



23.6210, 12.1701, 1.4533

# 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.



54.8519, 44.4347, 27.1880



29.3931, 44.4347, 54.0413



57.1494, 44.4347, 66.1199

# Square

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



29.3931, 44.4347, 54.0413



44.1663, 44.4347, 102.5422



58.3567, 44.4347, 43.1320



40.3586, 44.4347, 17.7206



# Rectangle

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



29.3931, 44.4347, 54.0413



34.8950, 44.4347, 92.7151



58.3567, 44.4347, 43.1320



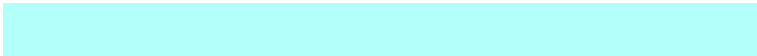
50.5356, 44.4347, 21.0630

# Sweetspot

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



29.3944, 44.4364, 54.0424



71.5509, 87.9706, 103.9686



20.5948, 40.9362, 6.8172



14.7836, 18.5580, 22.1150



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.



29.3944, 44.4364, 54.0424



51.4315, 77.7886, 94.4451



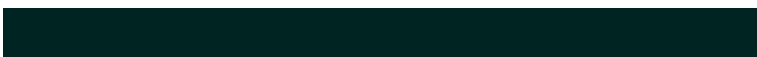
16.1910, 15.8866, 56.2477



10.9180, 12.0561, 13.5185



18.9119, 28.5771, 34.8104



0.9041, 1.3566, 1.6935



# Inverse Universe

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



23.6210, 12.1701, 1.4533



41.3290, 21.2956, 2.3985



26.9026, 18.8395, 2.2197



10.6594, 10.6471, 11.1896



15.1992, 7.8292, 0.9928

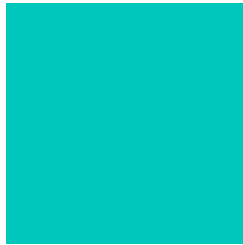


0.7289, 0.3744, 0.0957



# Previews

## White Background



This preview shows how the XYZ color 29.3931, 44.4347, 54.0413 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

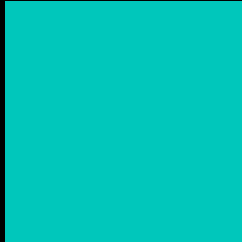
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.3931, 44.4347, 54.0413 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

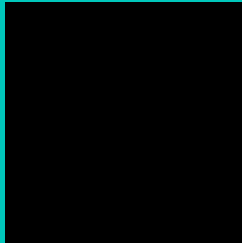
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

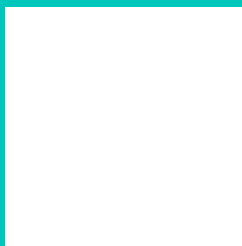
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 29.3931, 44.4347, 54.0413**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.3931, 44.4347, 54.0413.



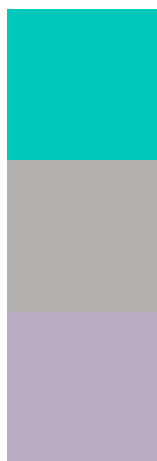
This preview shows how white text looks on a background with the XYZ color 29.3931, 44.4347,



# 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

29.3931, 44.4347, 54.0413

### Protanopia

41.8906, 43.7711, 45.7760

### Deuteranopia

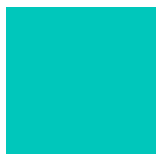
44.6279, 43.7944, 56.5531



## Tritanopia

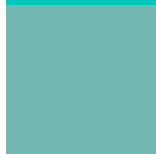
32.3997, 44.3142, 68.4739

# Trichromacy



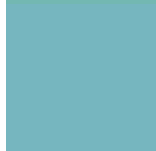
## Original Color

29.3931, 44.4347, 54.0413



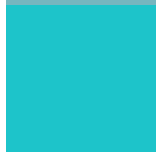
## Protanomaly

32.2466, 41.1402, 48.3608



## Deuteranomaly

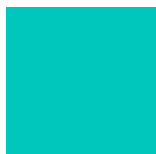
33.6031, 41.0690, 55.4463



## Tritanomaly

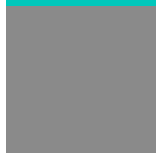
30.9073, 44.0053, 62.7420

# Monochromacy



## Original Color

29.3931, 44.4347, 54.0413



## Achromatopsia

24.1572, 25.4152, 27.6772



## Achromatomaly

22.5961, 29.6166, 35.9781

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.3931, 44.4347, 54.0413 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, 199, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 187)  
}
```

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, 199, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 29.3931, 44.4347, 54.0413 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, 199, 187) }
```



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

```
.border{ border-color:rgb(0, 199, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.3931, 44.4347, 54.0413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 187) }
```

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

```
.background{ background-color: rgb(0, 199,  
187) }
```

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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