

# Converting Colors

XYZ(25.8959, 44.9070, 29.8573)

Have a look what the booklet for  
XYZ(25.8959, 44.9070, 29.8573)  
contains.

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# Color

**XYZ(25.8959, 44.9070,  
29.8573)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CC86
RGB	0, 204, 134
RGB Percent	0%, 80%, 53%
CMY	1.0000, 0.2000, 0.4745
CMYK	1.00, 0.00, 0.34, 0.20
HSL	159°, 100%, 40%
HSV	159°, 100%, 80%
XYZ	25.8959, 44.9070, 29.8573
YIQ	135.0240, -99.1140, -65.0180

# Conversions

## Conversions Part 2

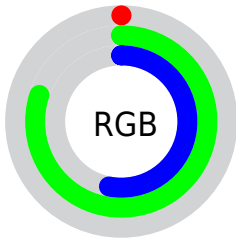
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 123, 204
Decimal	52358
CIELab	72.83, -58.75, 23.22
CIELCh	73, 63.172, 158.433
Yxy	44.9070, 0.2573, 0.4461
Android (android.graphics.Color)	4278242438 (0xFF00CC86)
YUV	135.0240, -0.5048, -118.4160
Hunter-Lab	67.0127, -48.2939, 20.4924

# Details

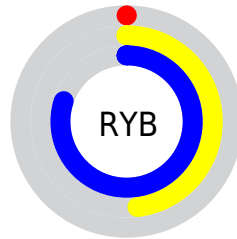
The XYZ color **25.8959, 44.9070, 29.8573** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.0089, 13.2805, 6.9892**, and the grayscale version is **23.0681, 24.2695, 26.4294**.

A 20% lighter version of the original color is **50.3166, 77.9756, 59.9758**, and **12.1901, 21.8199, 11.9567** is the 20% darker color. If you saturate the color by 10%, you get **25.8966, 44.9086, 29.8568**, and if you desaturate by 10%, it is **26.6986, 45.2637, 32.5299**.

# Distribution



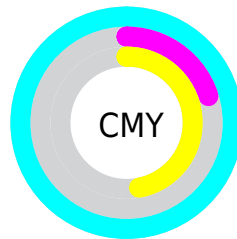
- Red (0%)
- Green (80%)
- Blue (53%)



- Red (0%)
- Yellow (48%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8959, 44.9070, 29.8573 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 25.8959, 44.9070, 29.8573 by changing the saturation by 10% instead.





 25.8959, 44.9070,  
29.8573


 25.8959, 44.9070,  
29.8573


274.5368,  
366.3968, 315.4253


 16.8781, 31.3842,  
19.4792


 52.5395, 82.5808,  
60.4948

 10.2423, 20.8916,  
11.8367


 70.8959, 107.5006,  
81.5912


 5.6234, 13.0448,  
6.5114


 93.0959, 136.9882,  
107.0974

 2.6560, 7.4594,  
3.0847

 119.5048,  
171.4280, 137.4321

 0.9746, 3.7510,  
1.1380

 150.4880,  
211.2044, 173.0137

 0.0000, 1.5353,  
0.0000

186.4108,

 0.0000, 0.3134,

256.7017, 214.2607

0.0000

227.6386,  
308.3043, 261.5917

■ 0.0000, 0.0000,  
0.0000

■ 25.8959, 44.9070,  
29.8573

■ 25.8959, 44.9070,  
29.8573

■ 25.8966, 44.9086,  
29.8568

■ 26.6986, 45.2637,  
32.5299

■ 27.8463, 45.7932,  
35.3896

■ 29.4480, 46.5530,  
38.4455

■ 31.5618, 47.5728,  
41.7034

■ 34.2366, 48.8778,  
45.1684

■ 37.5155, 50.4901,  
48.8454

■ 41.4372, 52.4297,  
52.7390

■ 46.0370, 54.7146,  
56.8535

■ 51.3477, 57.3618,  
61.1932

# Harmonies

## Analogous

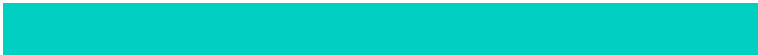
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.8513, 44.9070, 15.1652



25.8959, 44.9070, 29.8573



25.0099, 44.9070, 58.3171

# Triad

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



25.8959, 44.9070, 29.8573



45.8567, 44.9070, 136.4865



61.4626, 44.9070, 20.1051

# Complementary

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



25.8959, 44.9070, 29.8573



26.0089, 13.2805, 6.9892

# 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.



67.1768, 44.9070, 40.5486



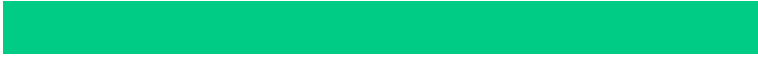
25.8959, 44.9070, 29.8573



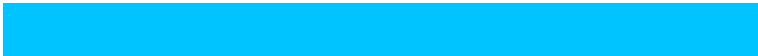
57.2078, 44.9070, 113.2535

# Square

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



25.8959, 44.9070, 29.8573



35.3785, 44.9070, 129.5083



65.4988, 44.9070, 74.6789



50.9289, 44.9070, 11.4520

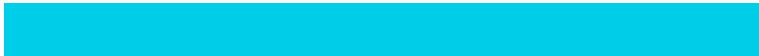


# Rectangle

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



25.8959, 44.9070, 29.8573



26.6699, 44.9070, 83.7323



65.4988, 44.9070, 74.6789



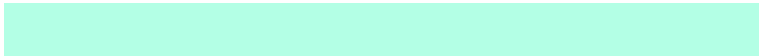
64.0864, 44.9070, 25.3752

# Sweetspot

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



25.8971, 44.9088, 29.8583



68.3428, 86.6873, 87.0749



24.2224, 44.5426, 7.3213



14.0098, 18.2484, 18.0400



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.



25.8971, 44.9088, 29.8583



42.7809, 74.3283, 48.8914



25.9210, 34.4025, 62.4031



11.3733, 12.6591, 13.5234



16.3442, 28.2830, 19.0295



0.8779, 1.4730, 1.1648



# Inverse Universe

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



26.0089, 13.2805, 6.9892



42.9810, 21.9564, 11.0981



25.3828, 13.7977, 1.3257



11.3686, 11.2762, 12.4755



16.4090, 8.3742, 4.6066

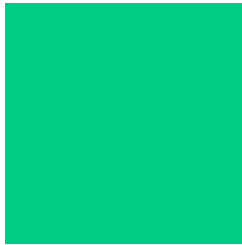


0.8820, 0.4462, 0.4247



# Previews

## White Background



This preview shows how the XYZ color 25.8959, 44.9070, 29.8573 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 25.8959, 44.9070, 29.8573 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

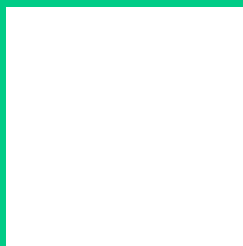
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.8959, 44.9070, 29.8573**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.8959, 44.9070, 29.8573.



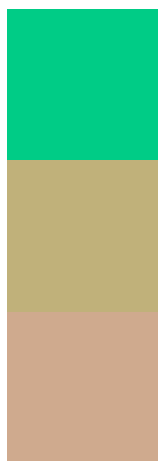
This preview shows how white text looks on a background with the XYZ color 25.8959, 44.9070,



# 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

25.8959, 44.9070, 29.8573

### Protanopia

40.9732, 44.0559, 24.7565

### Deuteranopia

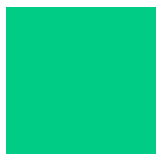
44.9893, 43.9678, 31.7066



## Tritanopia

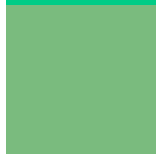
33.7465, 45.0229, 67.8844

# Trichromacy



## Original Color

25.8959, 44.9070, 29.8573



## Protanomaly

29.5623, 41.1846, 26.1300



## Deuteranomaly

30.9039, 40.2255, 30.5616



## Tritanomaly

29.7198, 44.3235, 51.2449

# Monochromacy



## Original Color

25.8959, 44.9070, 29.8573



## Achromatopsia

23.0288, 24.2281, 26.3844



## Achromatomaly

20.7817, 28.8693, 27.3987

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.8959, 44.9070, 29.8573 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, 204, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 134)  
}
```

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, 204, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 25.8959, 44.9070, 29.8573 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, 204, 134) }
```



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

```
.border{ border-color:rgb(0, 204, 134) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.8959, 44.9070, 29.8573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 134) }
```

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

```
.background{ background-color: rgb(0, 204,  
134) }
```

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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