

# Converting Colors

XYZ(25.5235, 44.7580, 27.8959)

Have a look what the booklet for  
XYZ(25.5235, 44.7580, 27.8959)  
contains.

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# Color

**XYZ(25.5553, 44.7707,  
28.0636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CC81
RGB	0, 204, 129
RGB Percent	0%, 80%, 51%
CMY	0.9999, 0.2000, 0.4941
CMYK	1.00, 0.00, 0.37, 0.20
HSL	158°, 100%, 40%
HSV	158°, 100%, 80%
XYZ	25.5553, 44.7707, 28.0636
YIQ	134.4540, -97.5090, -66.5730

# Conversions

## Conversions Part 2

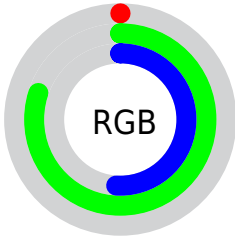
Format	Color
<a href="#">RYB</a>	0, 125, 204
Decimal	52353
CIELab	72.74, -59.79, 25.72
CIELCh	73, 65.087, 156.722
Yxy	44.7707, 0.2597, 0.4550
Android (android.graphics.Color)	4278242433 (0xFF00CC81)
YUV	134.4540, -2.6888, -117.9162
Hunter-Lab	66.9109, -48.9195, 21.9704

# Details

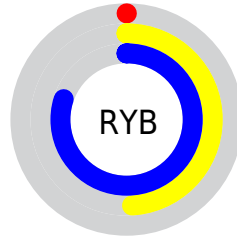
The XYZ color **25.5553, 44.7707, 28.0636** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.1735, 13.3464, 7.8562**, and the grayscale version is **22.8648, 24.0556, 26.1965**.

A 20% lighter version of the original color is **49.5703, 77.6641, 56.6340**, and **12.0012, 21.7443, 10.9617** is the 20% darker color. If you saturate the color by 10%, you get **25.5559, 44.7722, 28.0626**, and if you desaturate by 10%, it is **26.3705, 45.1324, 30.8019**.

# Distribution



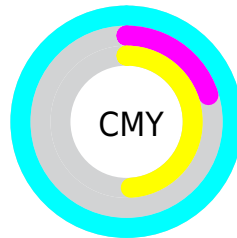
- Red (0%)
- Green (80%)
- Blue (51%)



- Red (0%)
- Yellow (49%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5553, 44.7707, 28.0636 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 25.5553, 44.7707, 28.0636 by changing the saturation by 10% instead.





 25.5553, 44.7707,  
28.0636


 25.5553, 44.7707,  
28.0636


272.8891,  
365.8441, 306.6922


 16.6222, 31.2769,  
18.1341

 51.9931, 82.3762,  
57.6103


 10.0591, 20.8098,  
10.8759


 70.2285, 107.2567,  
78.0646


 5.5007, 12.9850,  
5.8703


 92.2953, 136.7015,  
102.8643

 2.5817, 7.4182,  
2.6989

 118.5590,  
171.0950, 132.4279

 0.9366, 3.7250,  
0.9429

 149.3849,  
210.8216, 167.1739

 0.0000, 1.5210,  
0.0000

185.1383,

 0.0000, 0.3034,

256.2657, 207.5210

0.0000

226.1846,  
307.8118, 253.8875

■ 0.0000, 0.0000,  
0.0000

■ 25.5553, 44.7707,  
28.0636

■ 25.5553, 44.7707,  
28.0636

■ 25.5559, 44.7722,  
28.0626

■ 26.3705, 45.1324,  
30.8019

■ 27.5351, 45.6687,  
33.7507

■ 29.1585, 46.4371,  
36.9198

■ 31.2986, 47.4674,  
40.3157

■ 34.0046, 48.7849,  
43.9443

■ 37.3196, 50.4117,  
47.8111

■ 41.2825, 52.3678,  
51.9215

■ 45.9288, 54.6714,  
56.2805

■ 51.2914, 57.3394,  
60.8928

# Harmonies

## Analogous

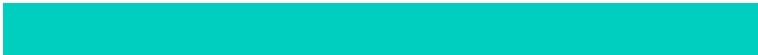
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.8412, 44.7707, 13.9525



25.5553, 44.7707, 28.0636



24.4202, 44.7707, 56.3986

# Triad

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



25.5553, 44.7707, 28.0636



45.1469, 44.7707, 140.3109



62.4477, 44.7707, 20.2086

# Complementary

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



25.5553, 44.7707, 28.0636



26.1735, 13.3464, 7.8562

# 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.



67.9777, 44.7707, 41.8221



25.5553, 44.7707, 28.0636



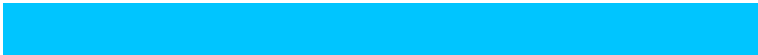
56.9084, 44.7707, 117.5494

# Square

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



25.5553, 44.7707, 28.0636



34.5329, 44.7707, 131.1368



65.7893, 44.7707, 77.6982



51.7280, 44.7707, 11.0227

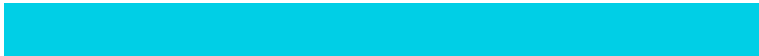


# Rectangle

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



25.5553, 44.7707, 28.0636



25.9501, 44.7707, 82.4147



65.7893, 44.7707, 77.6982



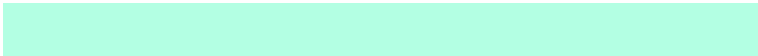
65.0543, 44.7707, 25.7831

# Sweetspot

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



25.5565, 44.7725, 28.0646



68.0826, 86.5833, 85.7050



24.7530, 44.8160, 7.3462



13.9477, 18.2236, 17.7129



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.



25.5565, 44.7725, 28.0646



42.2145, 74.1018, 45.9088



27.2623, 37.0852, 62.8502



11.3615, 12.6543, 13.4609



16.1308, 28.1976, 17.9054



0.8680, 1.4690, 1.1122



# Inverse Universe

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



26.1735, 13.3464, 7.8562



43.2495, 22.0638, 12.5119



25.2257, 13.4835, 1.2735



11.3800, 11.2807, 12.5357



16.5143, 8.4163, 5.1608



0.8883, 0.4487, 0.4575



# Previews

## White Background



This preview shows how the XYZ color 25.5553, 44.7707, 28.0636 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

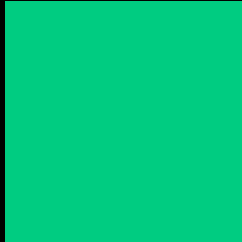
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.5553, 44.7707, 28.0636 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 25.5553, 44.7707, 28.0636**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.5553, 44.7707, 28.0636.



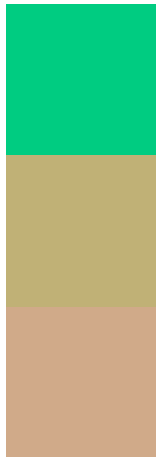
This preview shows how white text looks on a background with the XYZ color 25.5553, 44.7707,



# 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

25.5553, 44.7707, 28.0636

### Protanopia

40.7304, 43.9588, 23.4777

### Deuteranopia

44.9025, 43.9655, 29.7865



## Tritanopia

33.5971, 44.6144, 67.8135

# Trichromacy



## Original Color

25.5553, 44.7707, 28.0636



## Protanomaly

29.3092, 41.0834, 24.7975



## Deuteranomaly

30.5467, 40.0827, 28.6810



## Tritanomaly

29.6613, 44.3052, 50.7045

# Monochromacy



## Original Color

25.5553, 44.7707, 28.0636



## Achromatopsia

22.6597, 23.8398, 25.9615



## Achromatomaly

20.3093, 28.3935, 26.2399

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.5553, 44.7707, 28.0636 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 25.5553, 44.7707, 28.0636 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, 129) }
```



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

```
.border{ border-color:rgb(0, 204, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.5553, 44.7707, 28.0636 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, 129) }
```

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

```
.background{ background-color: rgb(0, 204,  
129) }
```

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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