

# Converting Colors

XYZ(29.8157, 53.2969, 29.4636)

Have a look what the booklet for  
XYZ(29.8157, 53.2969, 29.4636)  
contains.

<b>XYZ(29.8189, 53.2979, 29.4848)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(29.8189, 53.2979,  
29.4848)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DD81
RGB	0, 221, 129
RGB Percent	0%, 87%, 51%
CMY	0.9999, 0.1333, 0.4941
CMYK	1.00, 0.00, 0.42, 0.13
HSL	155°, 100%, 43%
HSV	155°, 100%, 87%
XYZ	29.8189, 53.2979, 29.4848
YIQ	144.4330, -102.1840, -75.4640

# Conversions

## Conversions Part 2

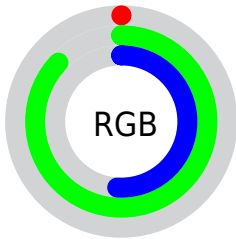
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 140, 221
Decimal	56705
CIELab	78.05, -65.64, 32.76
CIELCh	78, 73.366, 153.476
Yxy	53.2979, 0.2648, 0.4733
Android (android.graphics.Color)	4278246785 (0xFF00DD81)
YUV	144.4330, -7.6085, -126.6677
Hunter-Lab	73.0054, -54.8515, 27.1583

# Details

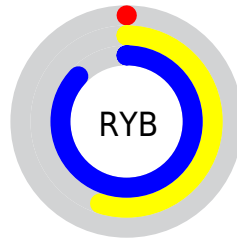
The XYZ color **29.8189, 53.2979, 29.4848** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **31.7526, 16.1461, 11.5720**, and the grayscale version is **26.7459, 28.1388, 30.6431**.

A 20% lighter version of the original color is **50.2511, 78.0031, 57.2073**, and **14.6506, 27.1010, 11.6666** is the 20% darker color. If you saturate the color by 10%, you get **29.8196, 53.2998, 29.4837**, and if you desaturate by 10%, it is **30.7931, 53.7277, 32.8695**.

# Distribution



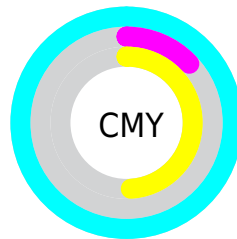
- Red (0%)
- Green (87%)
- Blue (51%)



- Red (0%)
- Yellow (55%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8189, 53.2979, 29.4848 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 29.8189, 53.2979, 29.4848 by changing the saturation by 10% instead.





 29.8189, 53.2979,  
29.4848


 29.8189, 53.2979,  
29.4848


292.9844,  
399.4270, 313.6278


 19.8486, 38.0406,  
19.1991


 58.7643, 95.0426,  
59.8978


 12.3926, 26.0142,  
11.6360


 78.4700, 122.2988,  
80.8622


 7.0858, 16.8343,  
6.3768


 102.1515,  
154.3234, 106.2233

 3.5626, 10.1164,  
3.0031

 130.1743,  
191.5009, 136.3996

 1.4578, 5.4762,  
1.0962

 162.9036,  
234.2156, 171.8097

 0.2968, 2.5293,  
0.0000

200.7048,

 0.0000, 0.8913,

282.8519, 212.8720

0.0000

243.9433,  
337.7943, 260.0052

■ 0.0000, 0.0000,  
0.0000

■ 29.8189, 53.2979,  
29.4848

■ 29.8189, 53.2979,  
29.4848

■ 29.8196, 53.2998,  
29.4837

■ 30.7931, 53.7277,  
32.8695

■ 32.2037, 54.3745,  
36.5683

■ 34.1777, 55.3050,  
40.5953

■ 36.7867, 56.5561,  
44.9605

■ 40.0909, 58.1586,  
49.6735

■ 44.1436, 60.1398,  
54.7429

■ 48.9922, 62.5241,  
60.1772

■ 54.6805, 65.3339,  
65.9845

■ 61.2488, 68.5898,  
72.1724

# Harmonies

## Analogous

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



36.9513, 53.2979, 14.0061



29.8189, 53.2979, 29.4848



27.8655, 53.2979, 62.9402

# Triad

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



29.8189, 53.2979, 29.4848



52.3439, 53.2979, 177.5090



77.2369, 53.2979, 24.5254

# Complementary

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



29.8189, 53.2979, 29.4848



31.7526, 16.1461, 11.5720

# 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.



83.3692, 53.2979, 53.3865



29.8189, 53.2979, 29.4848



67.3936, 53.2979, 151.6497

# Square

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



29.8189, 53.2979, 29.4848



39.3415, 53.2979, 160.8917



79.4670, 53.2979, 100.7946



63.9600, 53.2979, 12.2352



# Rectangle

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



29.8189, 53.2979, 29.4848



29.3867, 53.2979, 95.4063



79.4670, 53.2979, 100.7946



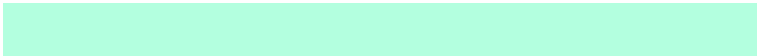
80.3047, 53.2979, 31.9695

# Sweetspot

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



29.8203, 53.3000, 29.4860



67.5748, 86.3801, 83.0308



30.2806, 53.9951, 8.8266



13.8267, 18.1752, 17.0761



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.



29.8203, 53.3000, 29.4860



41.1720, 73.6848, 40.4191



34.3106, 47.7383, 75.8153



13.2037, 14.7331, 15.5354



17.3797, 30.9845, 17.4307



1.1685, 2.0244, 1.3534



# Inverse Universe

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



31.7526, 16.1461, 11.5720



43.8499, 22.3040, 15.6735



30.0434, 15.8195, 1.4705



13.2797, 13.1410, 14.7344



18.4981, 9.4003, 7.0028

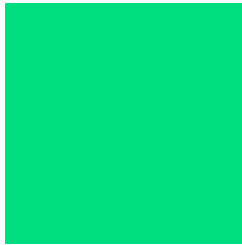


1.2407, 0.6259, 0.6764



# Previews

## White Background



This preview shows how the XYZ color 29.8189, 53.2979, 29.4848 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 29.8189, 53.2979, 29.4848 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

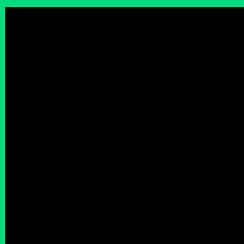
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 29.8189, 53.2979, 29.4848**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.8189, 53.2979, 29.4848.



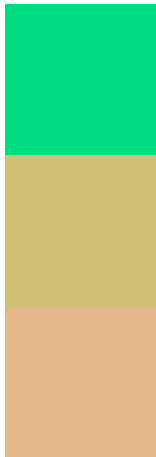
This preview shows how white text looks on a background with the XYZ color 29.8189, 53.2979,



# 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

29.8189, 53.2979, 29.4848

### Protanopia

48.1362, 52.1013, 24.3491

### Deuteranopia

53.1995, 52.0328, 31.2842



## Tritanopia

40.3051, 53.3886, 80.8538

# Trichromacy



## Original Color

29.8189, 53.2979, 29.4848



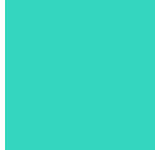
## Protanomaly

34.2446, 48.6081, 25.6666



## Deuteranomaly

35.8410, 47.6111, 30.2225



## Tritanomaly

34.8667, 52.5848, 57.6024

# Monochromacy



## Original Color

29.8189, 53.2979, 29.4848



## Achromatopsia

26.5089, 27.8894, 30.3716



## Achromatomaly

23.8264, 33.6444, 29.6643

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.8189, 53.2979, 29.4848 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, 221, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 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, 221, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 29.8189, 53.2979, 29.4848 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, 221, 129) }
```



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

```
.border{ border-color:rgb(0, 221, 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, 221, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.8189, 53.2979, 29.4848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 129) }
```

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

```
.background{ background-color: rgb(0, 221,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor