

# Converting Colors

XYZ(30.0651, 52.5565, 33.3708)

Have a look what the booklet for  
XYZ(30.0651, 52.5565, 33.3708)  
contains.

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# Color

**XYZ(30.0651, 52.5565,  
33.3708)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DB8C
RGB	0, 219, 140
RGB Percent	0%, 86%, 55%
CMY	0.9999, 0.1412, 0.4510
CMYK	1.00, 0.00, 0.36, 0.14
HSL	158°, 100%, 43%
HSV	158°, 100%, 86%
XYZ	30.0651, 52.5565, 33.3708
YIQ	144.5130, -105.1650, -70.9970

# Conversions

## Conversions Part 2

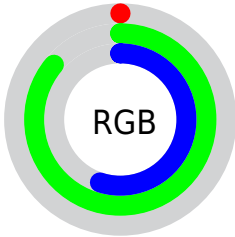
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 134, 219
Decimal	56204
CIELab	77.61, -62.82, 26.56
CIELCh	78, 68.206, 157.085
Yxy	52.5565, 0.2592, 0.4531
Android (android.graphics.Color)	4278246284 (0xFF00DB8C)
YUV	144.5130, -2.2249, -126.7379
Hunter-Lab	72.4959, -52.8412, 23.4551

# Details

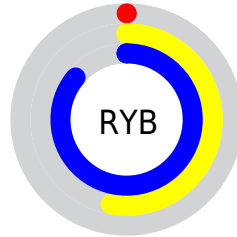
The XYZ color **30.0651, 52.5565, 33.3708** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **30.6265, 15.6257, 8.8020**, and the grayscale version is **26.7579, 28.1514, 30.6568**.

A 20% lighter version of the original color is **51.4415, 78.4792, 63.4757**, and **14.7235, 26.5619, 13.8022** is the 20% darker color. If you saturate the color by 10%, you get **30.0659, 52.5583, 33.3700**, and if you desaturate by 10%, it is **30.9991, 52.9696, 36.5671**.

# Distribution



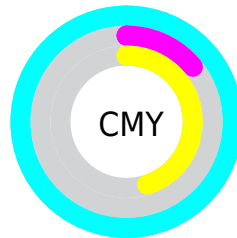
- Red (0%)
- Green (86%)
- Blue (55%)



- Red (0%)
- Yellow (53%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (14%)




- Cyan (100%)
- Magenta (14%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0651, 52.5565, 33.3708 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 30.0651, 52.5565, 33.3708 by changing the saturation by 10% instead.





 30.0651, 52.5565,  
33.3708


 30.0651, 52.5565,  
33.3708


294.1122,  
396.5813, 332.0004


 20.0363, 37.4488,  
22.1372


 59.1510, 93.9514,  
66.0767


 12.5299, 25.5552,  
13.7585

 78.9389, 121.0075,  
88.3860


 7.1804, 16.4912,  
7.8160


 102.7105,  
152.8152, 115.2244

 3.6225, 9.8724,  
3.8914

 130.8312,  
189.7588, 147.0104

 1.4909, 5.3144,  
1.5659

 163.6664,  
232.2229, 184.1624

 0.3196, 2.4329,  
0.2663

201.5814,

 0.0000, 0.8427,

280.5917, 227.0990

0.0000

244.9415,  
335.2497, 276.2389

■ 0.0000, 0.0000,  
0.0000

■ 30.0651, 52.5565,  
33.3708

■ 30.0651, 52.5565,  
33.3708

■ 30.0659, 52.5583,  
33.3700

■ 30.9991, 52.9696,  
36.5671

■ 32.3474, 53.5900,  
40.0044

■ 34.2343, 54.4830,  
43.6941

■ 36.7292, 55.6844,  
47.6434

■ 39.8908, 57.2242,  
51.8593

■ 43.7704, 59.1289,  
56.3481

■ 48.4143, 61.4222,  
61.1158

■ 53.8647, 64.1258,  
66.1682

■ 60.1607, 67.2597,  
71.5108

# Harmonies

## Analogous

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



36.1824, 52.5565, 16.6688



30.0651, 52.5565, 33.3708



28.7963, 52.5565, 66.6482

# Triad

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



30.0651, 52.5565, 33.3708



53.1436, 52.5565, 163.6301



73.0087, 52.5565, 23.6793

# Complementary

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



30.0651, 52.5565, 33.3708



30.6265, 15.6257, 8.8020

# 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.



79.5440, 52.5565, 48.7349



30.0651, 52.5565, 33.3708



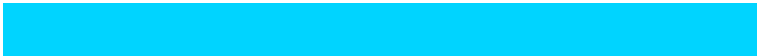
66.8382, 52.5565, 136.8015

# Square

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



30.0651, 52.5565, 33.3708



40.7252, 52.5565, 153.4322



77.1072, 52.5565, 90.3748



60.4798, 52.5565, 13.0377

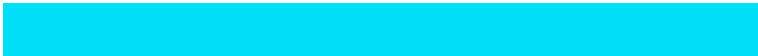


# Rectangle

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



30.0651, 52.5565, 33.3708



30.6239, 52.5565, 97.0206



77.1072, 52.5565, 90.3748



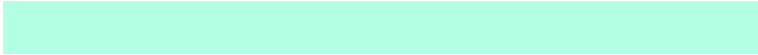
76.0712, 52.5565, 30.1410

# Sweetspot

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



30.0665, 52.5586, 33.3720



68.1558, 86.6125, 86.0902



28.6671, 52.3840, 8.6006



13.9651, 18.2306, 17.8048



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.



30.0665, 52.5586, 33.3720



42.3716, 74.1646, 46.7360



31.1581, 41.8573, 73.4575



13.2351, 14.7457, 15.7011



17.8811, 31.1851, 20.0712



1.1991, 2.0366, 1.5146



# Inverse Universe

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



30.6265, 15.6257, 8.8020



43.1714, 22.0326, 12.1008



29.6592, 15.9499, 1.5158



13.2492, 13.1288, 14.5734



18.2070, 9.2838, 5.4700

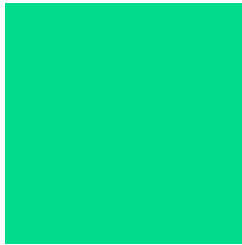


1.2200, 0.6176, 0.5673



# Previews

## White Background



This preview shows how the XYZ color 30.0651, 52.5565, 33.3708 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 30.0651, 52.5565, 33.3708 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 30.0651, 52.5565, 33.3708**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.0651, 52.5565, 33.3708.



This preview shows how white text looks on a background with the XYZ color 30.0651, 52.5565,



# 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

30.0651, 52.5565, 33.3708

### Protanopia

47.7633, 51.5072, 27.8466

### Deuteranopia

52.5047, 51.2820, 35.1481



## Tritanopia

39.4516, 52.6150, 79.3105

# Trichromacy



## Original Color

30.0651, 52.5565, 33.3708



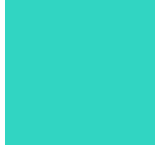
## Protanomaly

34.4116, 48.2645, 29.3321



## Deuteranomaly

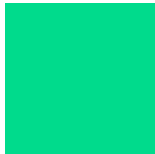
35.7813, 46.8253, 33.9404



## Tritanomaly

34.7985, 52.1365, 59.2682

# Monochromacy



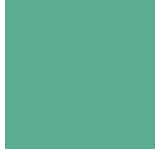
## Original Color

30.0651, 52.5565, 33.3708



## Achromatopsia

26.9133, 28.3149, 30.8349



## Achromatomaly

24.1241, 33.7635, 31.2321

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.0651, 52.5565, 33.3708 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, 219, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 140)  
}
```

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, 219, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 30.0651, 52.5565, 33.3708 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, 219, 140) }
```



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

```
.border{ border-color:rgb(0, 219, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 219, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.0651, 52.5565, 33.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 140) }
```

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

```
.background{ background-color: rgb(0, 219,  
140) }
```

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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