

# Converting Colors

XYZ(26.3506, 44.5368, 33.9533)

Have a look what the booklet for  
XYZ(26.3506, 44.5368, 33.9533)  
contains.

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# Color

**XYZ(26.4668, 44.7562,  
34.0319)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CB91
RGB	0, 203, 145
RGB Percent	0%, 80%, 57%
CMY	0.9999, 0.2039, 0.4314
CMYK	1.00, 0.00, 0.29, 0.20
HSL	163°, 100%, 40%
HSV	163°, 100%, 80%
XYZ	26.4668, 44.7562, 34.0319
YIQ	135.6910, -102.3700, -61.0740

# Conversions

## Conversions Part 2

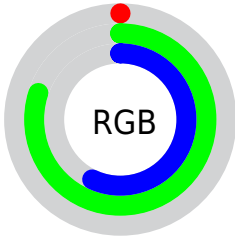
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 118, 203
Decimal	52113
CIELab	72.73, -55.96, 17.26
CIELCh	73, 58.556, 162.861
Yxy	44.7562, 0.2515, 0.4252
Android (android.graphics.Color)	4278242193 (0xFF00CB91)
YUV	135.6910, 4.5893, -119.0010
Hunter-Lab	66.9001, -46.4575, 16.6694

# Details

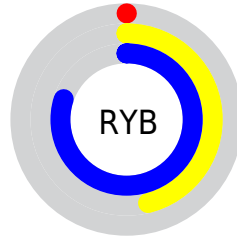
The XYZ color **26.4668, 44.7562, 34.0319** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.3942, 13.0033, 5.1781**, and the grayscale version is **23.3004, 24.5138, 26.6956**.

A 20% lighter version of the original color is **51.5483, 78.4683, 66.4619**, and **12.4541, 21.6756, 14.1171** is the 20% darker color. If you saturate the color by 10%, you get **26.4671, 44.7576, 34.0300**, and if you desaturate by 10%, it is **27.2218, 45.0935, 36.4634**.

# Distribution



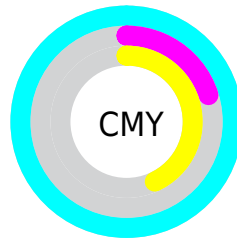
- Red (0%)
- Green (80%)
- Blue (57%)



- Red (0%)
- Yellow (46%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.4668, 44.7562, 34.0319 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 26.4668, 44.7562, 34.0319 by changing the saturation by 10% instead.





 26.4668, 44.7562,  
34.0319


 26.4668, 44.7562,  
34.0319


277.2810,  
365.7853, 335.0478


 17.3077, 31.2654,  
22.6405


 53.4530, 82.3544,  
67.1177


 10.5508, 20.8011,  
14.1255


 72.0108, 107.2307,  
89.6493


 5.8307, 12.9787,  
8.0683


 94.4322, 136.6709,  
116.7313

 2.7821, 7.4139,  
4.0503

 121.0826,  
171.0595, 148.7824

 1.0396, 3.7222,  
1.6530

 152.3273,  
210.7808, 186.2211

 0.0000, 1.5194,  
0.3282

188.5317,

 0.0000, 0.3023,

256.2193, 229.4658

0.0000

230.0612,  
307.7593, 278.9352

■ 0.0000, 0.0000,  
0.0000

■ 26.4668, 44.7562,  
34.0319

■ 26.4668, 44.7562,  
34.0319

■ 26.4671, 44.7576,  
34.0300

■ 27.2218, 45.0935,  
36.4634

■ 28.3083, 45.5980,  
39.0304

■ 29.8343, 46.3262,  
41.7406

■ 31.8565, 47.3076,  
44.5984

■ 34.4233, 48.5669,  
47.6076

■ 37.5769, 50.1258,  
50.7718

■ 41.3553, 52.0040,  
54.0943

■ 45.7932, 54.2193,  
57.5782

■ 50.9227, 56.7883,  
61.2267

# Harmonies

## Analogous

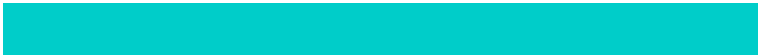
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.5848, 44.7562, 18.1465



26.4668, 44.7562, 34.0319



26.1926, 44.7562, 62.2787

# Triad

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



26.4668, 44.7562, 34.0319



47.0384, 44.7562, 126.1745



58.5288, 44.7562, 19.7185

# Complementary

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



26.4668, 44.7562, 34.0319



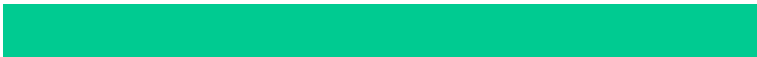
25.3942, 13.0033, 5.1781

# 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.



64.5726, 44.7562, 37.3075



26.4668, 44.7562, 34.0319



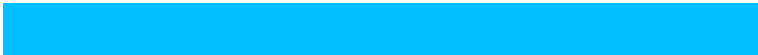
57.2623, 44.7562, 102.3330

# Square

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



26.4668, 44.7562, 34.0319



37.0375, 44.7562, 124.1470



64.0753, 44.7562, 67.1519



48.5610, 44.7562, 12.4330



# Rectangle

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



26.4668, 44.7562, 34.0319



28.1473, 44.7562, 85.8371



64.0753, 44.7562, 67.1519



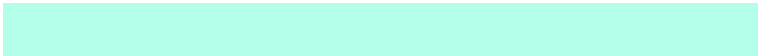
61.1529, 44.7562, 24.2385

# Sweetspot

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



26.4680, 44.7580, 34.0329



68.9630, 86.9354, 90.3411



23.2763, 43.7030, 7.2095



14.1583, 18.3078, 18.8220



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.



26.4680, 44.7580, 34.0329



44.2173, 74.9029, 56.4553



23.7725, 30.2967, 61.0968



11.4013, 12.6703, 13.6705



16.8839, 28.4988, 21.8712



0.9027, 1.4829, 1.2951



# Inverse Universe

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



25.3942, 13.0033, 5.1781



42.4382, 21.7393, 8.2396



25.4095, 14.2568, 1.4133



11.3419, 11.2655, 12.3353



16.1940, 8.2882, 3.4742



0.8686, 0.4408, 0.3538



# Previews

## White Background



This preview shows how the XYZ color 26.4668, 44.7562, 34.0319 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 26.4668, 44.7562, 34.0319 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

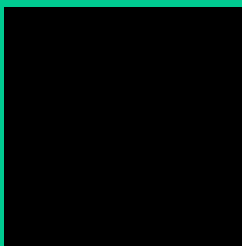
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

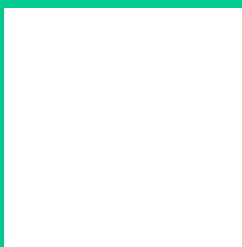
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 26.4668, 44.7562, 34.0319**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.4668, 44.7562, 34.0319.



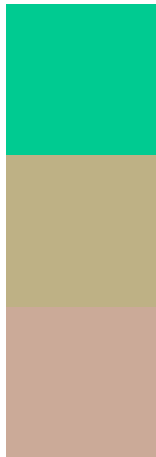
This preview shows how white text looks on a background with the XYZ color 26.4668, 44.7562,



# 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

26.4668, 44.7562, 34.0319

### Protanopia

41.1910, 44.0849, 28.5285

### Deuteranopia

44.6708, 43.7130, 35.7888



## Tritanopia

33.4627, 44.8766, 67.8712

# Trichromacy



## Original Color

26.4668, 44.7562, 34.0319



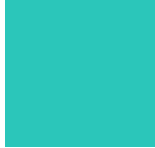
## Protanomaly

29.9594, 40.9889, 29.9995



## Deuteranomaly

31.2060, 40.2930, 34.5664



## Tritanomaly

30.0533, 44.4469, 53.4495

# Monochromacy



## Original Color

26.4668, 44.7562, 34.0319



## Achromatopsia

23.4014, 24.6201, 26.8113



## Achromatomaly

21.1615, 29.0319, 28.9145

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.4668, 44.7562, 34.0319 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, 203, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 145)  
}
```

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, 203, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 26.4668, 44.7562, 34.0319 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, 203, 145) }
```



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

```
.border{ border-color:rgb(0, 203, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.4668, 44.7562, 34.0319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 145) }
```

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

```
.background{ background-color: rgb(0, 203,  
145) }
```

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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