

# Converting Colors

XYZ(26.1948, 42.7885, 38.3309)

Have a look what the booklet for  
XYZ(26.1948, 42.7885, 38.3309)  
contains.

<b>XYZ(26.1948, 42.7885, 38.3309)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(26.1948, 42.7885,  
38.3309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C69C
RGB	0, 198, 156
RGB Percent	0%, 78%, 61%
CMY	0.9999, 0.2235, 0.3882
CMYK	1.00, 0.00, 0.21, 0.22
HSL	167°, 100%, 39%
HSV	167°, 100%, 78%
XYZ	26.1948, 42.7885, 38.3309
YIQ	134.0100, -104.5260, -55.0380

# Conversions

## Conversions Part 2

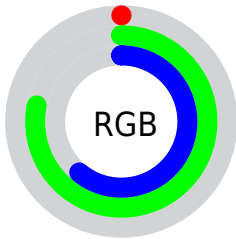
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 111, 198
Decimal	50844
CIELab	71.41, -51.39, 9.49
CIELCh	71, 52.258, 169.537
Yxy	42.7885, 0.2441, 0.3987
Android (android.graphics.Color)	4278240924 (0xFF00C69C)
YUV	134.0100, 10.8411, -117.5268
Hunter-Lab	65.4129, -42.9917, 11.0461

# Details

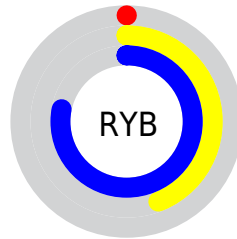
The XYZ color **26.1948, 42.7885, 38.3309** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.7081, 12.1740, 3.2927**, and the grayscale version is **22.6553, 23.8351, 25.9565**.

A 20% lighter version of the original color is **52.7597, 78.9398, 73.4290**, and **12.3723, 20.6648, 16.7012** is the 20% darker color. If you saturate the color by 10%, you get **26.1954, 42.7899, 38.3300**, and if you desaturate by 10%, it is **26.8426, 43.0817, 40.2514**.

# Distribution



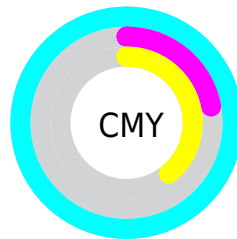
- Red (0%)
- Green (78%)
- Blue (61%)



- Red (0%)
- Yellow (44%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.1948, 42.7885, 38.3309 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 26.1948, 42.7885, 38.3309 by changing the saturation by 10% instead.



■ 26.1948, 42.7885,  
38.3309

■ 26.1948, 42.7885,  
38.3309

275.9762,  
357.7413, 354.3780

■ 17.1029, 29.7192,  
25.9358

■ 53.0181, 79.3916,  
73.8241

■ 10.4036, 19.6256,  
16.5503

■ 71.4802, 103.6942,  
97.7592

■ 5.7317, 12.1232,  
9.7558

■ 93.7964, 132.5100,  
126.3781

■ 2.7217, 6.8276,  
5.1339

■ 120.3320,  
166.2234, 160.0993

■ 1.0084, 3.3545,  
2.2659

■ 151.4525,  
205.2189, 199.3414

■ 0.0000, 1.3195,  
0.7120

187.5231,

■ 0.0000, 0.1562,

249.8807, 244.5228

0.0000

228.9092,  
300.5934, 296.0622

■ 0.0000, 0.0000,  
0.0000

■ 26.1948, 42.7885,  
38.3309

■ 26.1948, 42.7885,  
38.3309

■ 26.1954, 42.7899,  
38.3300

■ 26.8426, 43.0817,  
40.2514

■ 27.7925, 43.5281,  
42.2500

■ 29.1478, 44.1821,  
44.3330

■ 30.9616, 45.0710,  
46.5035

■ 33.2790, 46.2180,  
48.7644

■ 36.1397, 47.6436,  
51.1179

■ 39.5792, 49.3661,  
53.5664

■ 43.6299, 51.4022,  
56.1120

■ 48.3220, 53.7674,  
58.7566

# Harmonies

## Analogous

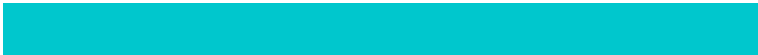
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.1051, 42.7885, 21.6847



26.1948, 42.7885, 38.3309



26.7150, 42.7885, 64.7486

# Triad

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



26.1948, 42.7885, 38.3309



46.5948, 42.7885, 108.8144



52.6691, 42.7885, 18.5888

# Complementary

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



26.1948, 42.7885, 38.3309



23.7081, 12.1740, 3.2927

# 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.



58.7926, 42.7885, 32.1889



26.1948, 42.7885, 38.3309



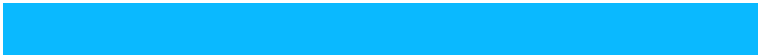
54.9505, 42.7885, 85.6485

# Square

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



26.1948, 42.7885, 38.3309



37.6729, 42.7885, 112.3452



59.6829, 42.7885, 55.9563



43.8203, 42.7885, 13.3347



# Rectangle

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



26.1948, 42.7885, 38.3309



28.9647, 42.7885, 84.7514



59.6829, 42.7885, 55.9563



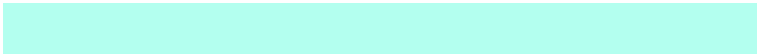
55.1656, 42.7885, 22.0470

# Sweetspot

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



26.1960, 42.7902, 38.3319



69.7812, 87.2627, 94.6494



21.1877, 40.9015, 6.7786



14.3550, 18.3865, 19.8580



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.



26.1960, 42.7902, 38.3319



46.2912, 75.7325, 67.3763



19.8530, 23.3961, 56.8976



10.8466, 12.0275, 13.1425



17.0672, 27.8392, 25.0960



0.8330, 1.3281, 1.3190



# Inverse Universe

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



23.7081, 12.1740, 3.2927



41.9081, 21.5273, 5.4484



24.7094, 14.8458, 1.5638



10.7244, 10.6732, 11.5320



15.4430, 7.9268, 2.2770

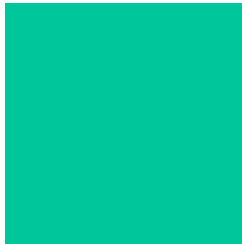


0.7586, 0.3863, 0.2521



# Previews

## White Background



This preview shows how the XYZ color 26.1948, 42.7885, 38.3309 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 26.1948, 42.7885, 38.3309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

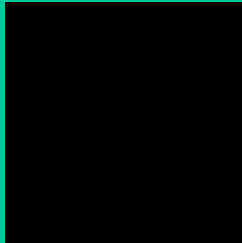
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 26.1948, 42.7885, 38.3309**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.1948, 42.7885, 38.3309.



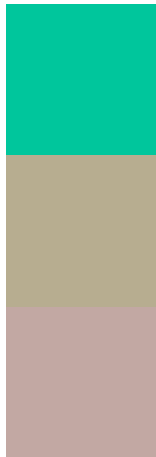
This preview shows how white text looks on a background with the XYZ color 26.1948, 42.7885,



# 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

26.1948, 42.7885, 38.3309

### Protanopia

39.5061, 41.9680, 32.4040

### Deuteranopia

42.8616, 42.1189, 40.5210



## Tritanopia

31.8178, 42.7587, 65.6078

# Trichromacy



## Original Color

26.1948, 42.7885, 38.3309



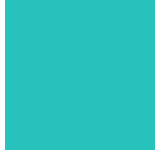
## Protanomaly

29.2757, 39.3070, 34.0610



## Deuteranomaly

30.6336, 38.9892, 39.1688



## Tritanomaly

29.2056, 42.6457, 54.2691

# Monochromacy



## Original Color

26.1948, 42.7885, 38.3309



## Achromatopsia

22.6597, 23.8398, 25.9615



## Achromatomaly

20.6858, 27.9982, 29.9051

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.1948, 42.7885, 38.3309 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, 198, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 156)  
}
```

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, 198, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 26.1948, 42.7885, 38.3309 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, 198, 156) }
```



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

```
.border{ border-color:rgb(0, 198, 156) }
```

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

Here you see how a box with a 4 pixel rgb(0, 198, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.1948, 42.7885, 38.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 156) }
```

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

```
.background{ background-color: rgb(0, 198,  
156) }
```

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