

# Converting Colors

XYZ(25.7152, 40.4469, 42.4324)

Have a look what the booklet for  
XYZ(25.7152, 40.4469, 42.4324)  
contains.

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# Color

**XYZ(25.7326, 40.4524,  
42.5282)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C0A6
RGB	0, 192, 166
RGB Percent	0%, 75%, 65%
CMY	0.9999, 0.2470, 0.3490
CMYK	1.00, 0.00, 0.14, 0.25
HSL	172°, 100%, 38%
HSV	172°, 100%, 75%
XYZ	25.7326, 40.4524, 42.5282
YIQ	131.6280, -106.0860, -48.7900

# Conversions

## Conversions Part 2

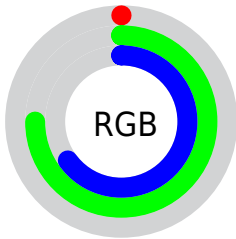
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 103, 192
Decimal	49318
CIELab	69.79, -46.33, 1.72
CIELCh	70, 46.360, 177.875
Yxy	40.4524, 0.2367, 0.3721
Android (android.graphics.Color)	4278239398 (0xFF00C0A6)
YUV	131.6280, 16.9454, -115.4378
Hunter-Lab	63.6022, -39.0851, 4.8767

# Details

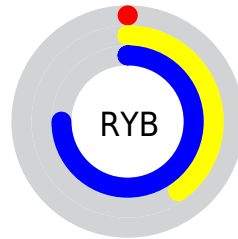
The XYZ color **25.7326, 40.4524, 42.5282** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **21.9262, 11.2823, 2.0015**, and the grayscale version is **21.7708, 22.9046, 24.9431**.

A 20% lighter version of the original color is **52.1824, 75.6811, 80.2642**, and **11.9829, 19.1062, 18.9759** is the 20% darker color. If you saturate the color by 10%, you get **25.7329, 40.4535, 42.5268**, and if you desaturate by 10%, it is **26.2475, 40.6910, 43.8113**.

# Distribution



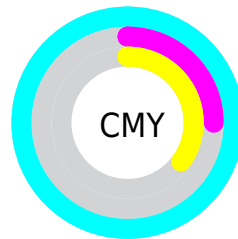
- Red (0%)
- Green (75%)
- Blue (65%)



- Red (0%)
- Yellow (40%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7326, 40.4524, 42.5282 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 25.7326, 40.4524, 42.5282 by changing the saturation by 10% instead.





 25.7326, 40.4524,  
42.5282

 25.7326, 40.4524,  
42.5282


273.7478,  
348.0267, 372.5319


 16.7553, 27.8915,  
29.1865


 52.2776, 75.8519,  
80.2771


 10.1544, 18.2438,  
18.9751


 70.5761, 99.4593,  
105.5214


 5.5645, 11.1252,  
11.4757


 92.7124, 127.5176,  
135.5702

 2.6203, 6.1511,  
6.2696

 119.0518,  
160.4112, 170.8421

 0.9563, 2.9372,  
2.9382

 149.9596,  
198.5245, 211.7557

 0.0000, 1.0990,  
1.0632

185.8014,

 0.0000, 0.0000,

242.2419, 258.7295

0.0000

226.9423,  
291.9479, 312.1821

■ 25.7326, 40.4524,  
42.5282

■ 25.7326, 40.4524,  
42.5282

■ 25.7329, 40.4535,  
42.5268

■ 26.2475, 40.6910,  
43.8113

■ 27.0358, 41.0689,  
45.1316

■ 28.1949, 41.6375,  
46.4947

■ 29.7741, 42.4221,  
47.9031

■ 31.8151, 43.4441,  
49.3589

■ 34.3544, 44.7225,  
50.8639

■ 37.4249, 46.2742,  
52.4199

■ 41.0567, 48.1146,  
54.0282

■ 45.2776, 50.2581,  
55.6904

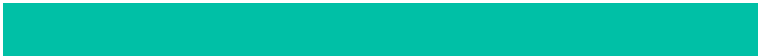
# Harmonies

## Analogous

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



27.4561, 40.4524, 25.4893



25.7326, 40.4524, 42.5282



27.0301, 40.4524, 66.3857

# Triad

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



25.7326, 40.4524, 42.5282



45.6141, 40.4524, 91.7352



46.6627, 40.4524, 17.4578

# Complementary

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



25.7326, 40.4524, 42.5282



21.9262, 11.2823, 2.0015

# 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.



52.7008, 40.4524, 27.3810



25.7326, 40.4524, 42.5282



52.0421, 40.4524, 69.9433

# Square

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



25.7326, 40.4524, 42.5282



37.9152, 40.4524, 99.7487



54.7860, 40.4524, 45.5991



38.9874, 40.4524, 14.2684



# Rectangle

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



25.7326, 40.4524, 42.5282



29.5419, 40.4524, 82.4570



54.7860, 40.4524, 45.5991



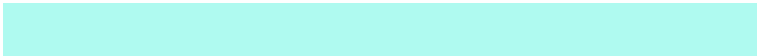
48.9870, 40.4524, 19.9159

# Sweetspot

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



25.7338, 40.4539, 42.5292



67.5084, 83.6911, 94.8360



19.3524, 37.9593, 6.3079



13.9541, 17.6871, 20.0864



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.7338, 40.4539, 42.5292



46.5559, 73.2696, 76.6896



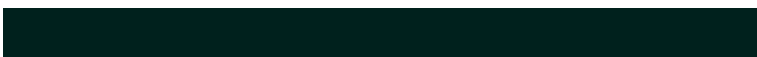
16.8253, 18.4263, 52.5406



10.3080, 11.4042, 12.6250



17.3360, 27.2285, 28.7261



0.7656, 1.1831, 1.3285



# Inverse Universe

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



21.9262, 11.2823, 2.0015



39.6751, 20.4201, 3.3523



23.7596, 15.2479, 1.6919



10.1275, 10.0996, 10.7620



14.7700, 7.5978, 1.4350

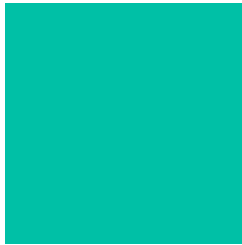


0.6566, 0.3357, 0.1591



# Previews

## White Background



This preview shows how the XYZ color 25.7326, 40.4524, 42.5282 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 25.7326, 40.4524, 42.5282 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

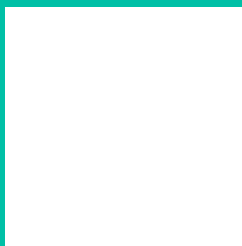
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.7326, 40.4524, 42.5282**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.7326, 40.4524, 42.5282.



This preview shows how white text looks on a background with the XYZ color 25.7326, 40.4524,



# 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

25.7326, 40.4524, 42.5282

### Protanopia

37.8422, 39.9059, 35.8451

### Deuteranopia

40.4890, 39.7198, 44.5624



## Tritanopia

29.8472, 40.5350, 62.1280

# Trichromacy



## Original Color

25.7326, 40.4524, 42.5282



## Protanomaly

28.5758, 37.3576, 38.0524



## Deuteranomaly

29.7279, 36.9563, 43.5967



## Tritanomaly

28.0101, 40.3926, 54.4644

# Monochromacy



## Original Color

25.7326, 40.4524, 42.5282



## Achromatopsia

21.9318, 23.0740, 25.1276



## Achromatomaly

20.2458, 27.0096, 30.5319

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.7326, 40.4524, 42.5282 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, 192, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 166)  
}
```

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, 192, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 25.7326, 40.4524, 42.5282 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, 192, 166) }
```



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

```
.border{ border-color:rgb(0, 192, 166) }
```

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

Here you see how a box with a 4 pixel rgb(0, 192, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.7326, 40.4524, 42.5282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 166) }
```

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

```
.background{ background-color: rgb(0, 192,  
166) }
```

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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