

# Converting Colors

XYZ(21.5691, 38.5190, 38.8539)

Have a look what the booklet for  
XYZ(21.5691, 38.5190, 38.8539)  
contains.

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# Color

**XYZ(25.0212, 40.1679,  
38.7822)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C09E
RGB	0, 192, 158
RGB Percent	0%, 75%, 62%
CMY	0.9999, 0.2470, 0.3804
CMYK	1.00, 0.00, 0.18, 0.25
HSL	169°, 100%, 38%
HSV	169°, 100%, 75%
XYZ	25.0212, 40.1679, 38.7822
YIQ	130.7160, -103.5180, -51.2780

# Conversions

## Conversions Part 2

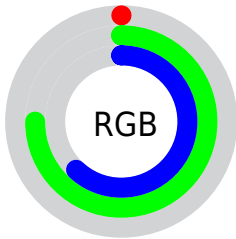
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 105, 192
Decimal	49310
CIELab	69.59, -48.47, 5.80
CIELCh	70, 48.813, 173.181
Yxy	40.1679, 0.2407, 0.3863
Android (android.graphics.Color)	4278239390 (0xFF00C09E)
YUV	130.7160, 13.4510, -114.6379
Hunter-Lab	63.3782, -40.4414, 8.0841

# Details

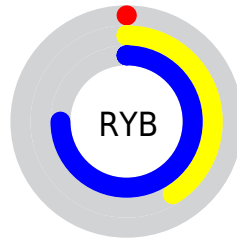
The XYZ color **25.0212, 40.1679, 38.7822** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **22.0284, 11.3231, 2.5400**, and the grayscale version is **21.4554, 22.5728, 24.5818**.

A 20% lighter version of the original color is **51.1415, 75.2648, 74.7829**, and **11.5995, 18.9529, 16.9568** is the 20% darker color. If you saturate the color by 10%, you get **25.0216, 40.1691, 38.7810**, and if you desaturate by 10%, it is **25.5919, 40.4288, 40.3592**.

# Distribution



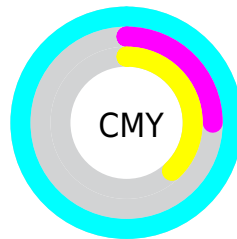
- Red (0%)
- Green (75%)
- Blue (62%)



- Red (0%)
- Yellow (41%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0212, 40.1679, 38.7822 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 25.0212, 40.1679, 38.7822 by changing the saturation by 10% instead.





 25.0212, 40.1679,  
38.7822


 25.0212, 40.1679,  
38.7822


270.2892,  
346.8307, 356.3619


 16.2217, 27.6695,  
26.2838


 51.1343, 75.4191,  
74.5221


 9.7730, 18.0767,  
16.8084

 69.1785, 98.9407,  
98.6008


 5.3098, 11.0050,  
9.9375


 91.0350, 126.9055,  
127.3766

 2.4668, 6.0702,  
5.2525

 117.0692,  
159.6978, 161.2681

 0.8785, 2.8878,  
2.3348

 147.6463,  
197.7021, 200.6938

 0.0000, 1.0735,  
0.7506

183.1318,

 0.0000, 0.0000,

241.3028, 246.0723

0.0000

223.8910,  
290.8842, 297.8222

■ 25.0212, 40.1679,  
38.7822

■ 25.0212, 40.1679,  
38.7822

■ 25.0216, 40.1691,  
38.7810

■ 25.5919, 40.4288,  
40.3592

■ 26.4391, 40.8303,  
41.9908

■ 27.6605, 41.4238,  
43.6830

■ 29.3054, 42.2346,  
45.4382

■ 31.4154, 43.2842,  
47.2588

■ 34.0272, 44.5916,  
49.1467

■ 37.1737, 46.1736,  
51.1040

■ 40.8849, 48.0458,  
53.1322

■ 45.1888, 50.2224,  
55.2330

# Harmonies

## Analogous

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



27.2862, 40.1679, 22.5410



25.0212, 40.1679, 38.7822



25.8729, 40.1679, 63.1415

# Triad

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



25.0212, 40.1679, 38.7822



44.4598, 40.1679, 96.9963



47.9998, 40.1679, 17.3799

# Complementary

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



25.0212, 40.1679, 38.7822



22.0284, 11.3231, 2.5400

# 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.



53.8729, 40.1679, 28.7796



25.0212, 40.1679, 38.7822



51.6406, 40.1679, 75.2437

# Square

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



25.0212, 40.1679, 38.7822



36.4070, 40.1679, 102.5352



55.2894, 40.1679, 49.0947



40.0063, 40.1679, 13.2458



# Rectangle

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



25.0212, 40.1679, 38.7822



28.1595, 40.1679, 80.6662



55.2894, 40.1679, 49.0947



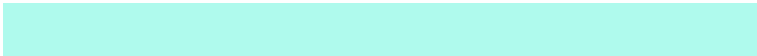
50.3298, 40.1679, 20.2516

# Sweetspot

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



25.0223, 40.1694, 38.7831



67.0489, 83.5073, 92.4161



19.5511, 38.0619, 6.3170



13.8427, 17.6426, 19.5002



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.



25.0223, 40.1694, 38.7831



45.2514, 72.7478, 69.8200



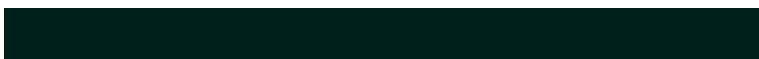
17.6597, 20.0953, 52.8189



10.2895, 11.3968, 12.5278



16.8621, 27.0389, 26.2308



0.7491, 1.1765, 1.2415



# Inverse Universe

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



22.0284, 11.3231, 2.5400



39.8480, 20.4893, 4.2632



23.3982, 14.5251, 1.5712



10.1444, 10.1064, 10.8510



14.8426, 7.6268, 1.8171

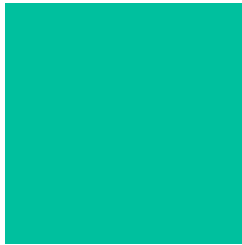


0.6642, 0.3387, 0.1990



# Previews

## White Background



This preview shows how the XYZ color 25.0212, 40.1679, 38.7822 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 25.0212, 40.1679, 38.7822 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

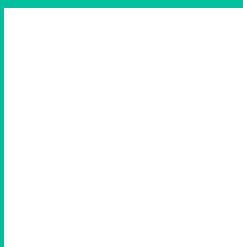
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.0212, 40.1679, 38.7822**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0212, 40.1679, 38.7822.



This preview shows how white text looks on a background with the XYZ color 25.0212, 40.1679,



# 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

25.0212, 40.1679, 38.7822

### Protanopia

37.3224, 39.4277, 32.8373

### Deuteranopia

40.2915, 39.4395, 40.6110



## Tritanopia

29.7324, 40.1756, 61.4459

# Trichromacy



## Original Color

25.0212, 40.1679, 38.7822



## Protanomaly

28.0372, 37.1570, 34.5485



## Deuteranomaly

29.2654, 36.8027, 39.7436



## Tritanomaly

27.4677, 39.8443, 52.1420

# Monochromacy



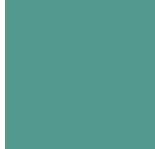
## Original Color

25.0212, 40.1679, 38.7822



## Achromatopsia

21.5731, 22.6966, 24.7166



## Achromatomaly

19.7662, 26.5446, 29.2811

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0212, 40.1679, 38.7822 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0212, 40.1679, 38.7822 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, 158) }
```



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

```
.border{ border-color:rgb(0, 192, 158) }
```

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, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0212, 40.1679, 38.7822 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, 158) }
```

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

```
.background{ background-color: rgb(0, 192,  
158) }
```

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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