

# Converting Colors

XYZ(24.3129, 40.8347, 31.5535)

Have a look what the booklet for  
XYZ(24.3129, 40.8347, 31.5535)  
contains.

<b>XYZ(24.3614, 40.9817, 31.4372)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(24.3614, 40.9817,  
31.4372)**

# Conversions

## Conversions Part 1

Format	Color
Hex	09C38C
RGB	9, 195, 140
RGB Percent	4%, 76%, 55%
CMY	0.9646, 0.2353, 0.4510
CMYK	0.95, 0.00, 0.28, 0.24
HSL	162°, 91%, 40%
HSV	162°, 95%, 76%
XYZ	24.3614, 40.9817, 31.4372
YIQ	133.1160, -93.2010, -56.5370

# Conversions

## Conversions Part 2

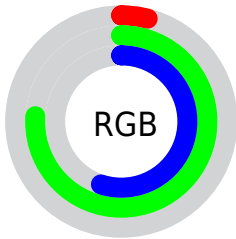
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	9, 118, 195
Decimal	639884
CIE <sub>Lab</sub>	70.16, -53.78, 16.37
CIE <sub>LCh</sub>	70, 56.221, 163.072
Yxy	40.9817, 0.2517, 0.4235
Android (android.graphics.Color)	4278829964 (0xFF09C38C)
YUV	133.1160, 3.3938, -108.8497
Hunter-Lab	64.0170, -44.1022, 15.6960

# Details

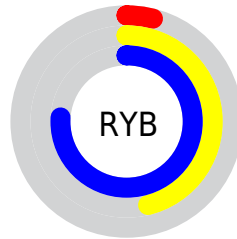
The XYZ color **24.3614, 40.9817, 31.4372** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.5305, 12.1688, 5.9629**, and the grayscale version is **22.3520, 23.5160, 25.6090**.

A 20% lighter version of the original color is **50.2297, 76.9123, 63.2371**, and **11.2235, 19.4944, 12.8441** is the 20% darker color. If you saturate the color by 10%, you get **24.0551, 40.8473, 30.4089**, and if you desaturate by 10%, it is **25.1795, 41.3540, 33.7549**.

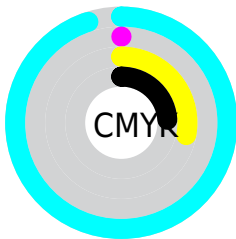
# Distribution



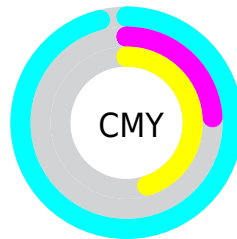
- Red (4%)
- Green (76%)
- Blue (55%)



- Red (4%)
- Yellow (46%)
- Blue (76%)



- Cyan (95%)
- Magenta (0%)
- Yellow (28%)
- Black (24%)




- Cyan (96%)
- Magenta (24%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3614, 40.9817, 31.4372 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 24.3614, 40.9817, 31.4372 by changing the saturation by 10% instead.





 24.3614, 40.9817,  
31.4372


 24.3614, 40.9817,  
31.4372


267.0492,  
350.2441, 322.9608


 15.7281, 28.3048,  
20.6707


 50.0697, 76.6561,  
63.0154


 9.4216, 18.5555,  
12.6946


 67.8754, 100.4224,  
84.6642


 5.0765, 11.3496,  
7.0904


 89.4694, 128.6539,  
110.7775

 2.3274, 6.3025,  
3.4394

 115.2168,  
161.7351, 141.7739

 0.8086, 3.0299,  
1.3231

 145.4832,  
200.0503, 178.0718

 0.0000, 1.1473,  
0.0806

180.6338,

 0.0000, 0.0181,

243.9840, 220.0900

0.0000

221.0340,  
293.9204, 268.2468

■ 0.0000, 0.0000,  
0.0000

■ 24.3614, 40.9817,  
31.4372

■ 24.3614, 40.9817,  
31.4372

■ 24.0551, 40.8473,  
30.4089

■ 25.1795, 41.3540,  
33.7549

■ 26.3654, 41.9124,  
36.2071

■ 27.9784, 42.6882,  
38.7990

■ 30.0657, 43.7059,  
41.5346

■ 32.6684, 44.9865,  
44.4173

■ 35.8227, 46.5487,  
47.4504

■ 39.5618, 48.4096,  
50.6372

■ 43.9159, 50.5848,  
53.9804

■ 48.9132, 53.0886,  
57.4830

# Harmonies

## Analogous

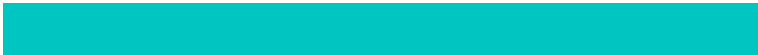
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.0773, 40.9817, 16.9027



24.3614, 40.9817, 31.4372



24.1369, 40.9817, 57.0896

# Triad

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



24.3614, 40.9817, 31.4372



43.0915, 40.9817, 114.3971



53.3554, 40.9817, 18.1959

# Complementary

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



24.3614, 40.9817, 31.4372



23.5305, 12.1688, 5.9629

# 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.



58.8485, 40.9817, 34.1163



24.3614, 40.9817, 31.4372



52.3242, 40.9817, 92.8029

# Square

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



24.3614, 40.9817, 31.4372



34.0251, 40.9817, 112.7528



58.4439, 40.9817, 61.0577



44.3327, 40.9817, 11.5855



# Rectangle

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



24.3614, 40.9817, 31.4372



25.9294, 40.9817, 78.3701



58.4439, 40.9817, 61.0577



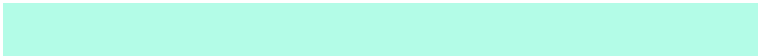
55.7351, 40.9817, 22.2927

# Sweetspot

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



24.3625, 40.9833, 31.4382



67.9931, 85.2742, 88.3284



21.7331, 40.1690, 6.8671



14.2649, 18.3634, 18.8027



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.



24.3625, 40.9833, 31.4382



42.9668, 73.1097, 53.8564



22.1576, 28.3865, 55.9429



10.2375, 11.3760, 12.2540



15.6723, 26.5630, 19.9652



0.7062, 1.1593, 1.0155



# Inverse Universe

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



23.5305, 12.1688, 5.9629



41.5664, 21.2829, 8.5128



23.5415, 13.5935, 1.6422



10.1930, 10.1258, 11.1070



15.1510, 7.7501, 3.4410

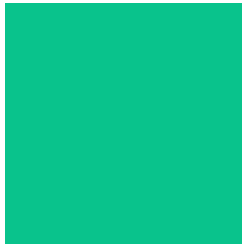


0.6857, 0.3473, 0.3124



# Previews

## White Background



This preview shows how the XYZ color 24.3614, 40.9817, 31.4372 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

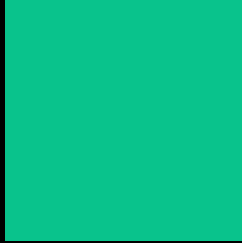
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.3614, 40.9817, 31.4372 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

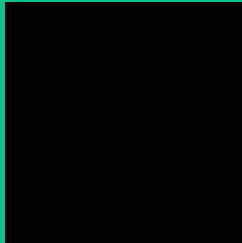
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 24.3614, 40.9817, 31.4372**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.3614, 40.9817, 31.4372.



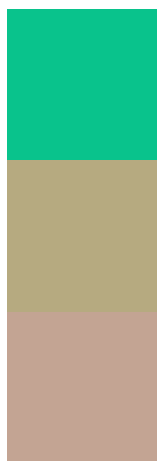
This preview shows how white text looks on a background with the XYZ color 24.3614, 40.9817,



# 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

24.3614, 40.9817, 31.4372

### Protanopia

37.5624, 40.2530, 26.2119

### Deuteranopia

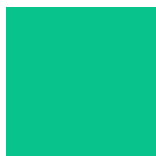
41.0476, 40.2596, 33.2112



## Tritanopia

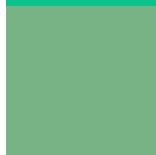
30.6110, 40.9287, 62.1638

# Trichromacy



## Original Color

24.3614, 40.9817, 31.4372



## Protanomaly

27.8927, 37.8281, 27.6612



## Deuteranomaly

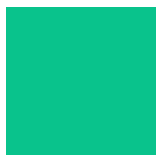
29.1164, 37.1856, 32.0285



## Tritanomaly

27.6323, 40.6395, 49.0357

# Monochromacy



## Original Color

24.3614, 40.9817, 31.4372



## Achromatopsia

22.2940, 23.4551, 25.5426



## Achromatomaly

20.3569, 27.6292, 27.5526

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.3614, 40.9817, 31.4372 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(9, 195, 140)` looks like.

```
.text, #text, p{  
    color:rgb(9, 195, 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(9, 195, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 195, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 24.3614, 40.9817, 31.4372 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(9, 195, 140) }
```



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

```
.border{ border-color:rgb(9, 195, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 195, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 195, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 195, 140);  
box-shadow:4px 4px 4px 4px rgb(9, 195,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.3614, 40.9817, 31.4372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 195, 140) }
```

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

```
.background{ background-color: rgb(9, 195,  
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](#).

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