

# Converting Colors

XYZ(15.3057, 36.3137, 32.9663)

Have a look what the booklet for  
XYZ(15.3057, 36.3137, 32.9663)  
contains.

<b>XYZ(24.6259, 41.0745, 33.4183)</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(24.6259, 41.0745,  
33.4183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C391
RGB	0, 195, 145
RGB Percent	0%, 76%, 57%
CMY	0.9999, 0.2353, 0.4314
CMYK	1.00, 0.00, 0.26, 0.24
HSL	165°, 100%, 38%
HSV	165°, 100%, 76%
XYZ	24.6259, 41.0745, 33.4183
YIQ	130.9950, -100.1700, -56.8900

# Conversions

## Conversions Part 2

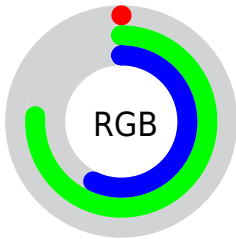
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 112, 195
Decimal	50065
CIELab	70.23, -52.92, 13.76
CIELCh	70, 54.679, 165.424
Yxy	41.0745, 0.2484, 0.4144
Android (android.graphics.Color)	4278240145 (0xFF00C391)
YUV	130.9950, 6.9045, -114.8826
Hunter-Lab	64.0894, -43.5691, 13.9468

# Details

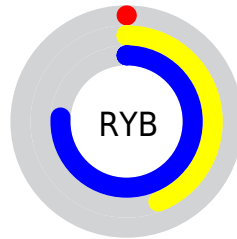
The XYZ color **24.6259, 41.0745, 33.4183** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.0829, 11.8334, 4.0875**, and the grayscale version is **21.5760, 22.6996, 24.7199**.

A 20% lighter version of the original color is **50.5797, 77.0267, 66.2347**, and **11.3985, 19.5643, 13.7652** is the 20% darker color. If you saturate the color by 10%, you get **24.6264, 41.0758, 33.4172**, and if you desaturate by 10%, it is **25.2998, 41.3774, 35.5084**.

# Distribution



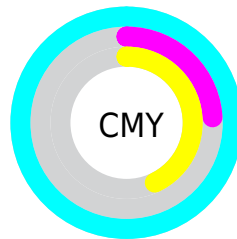
- Red (0%)
- Green (76%)
- Blue (57%)



- Red (0%)
- Yellow (44%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (24%)



- Cyan (100%)
- Magenta (24%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6259, 41.0745, 33.4183 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 24.6259, 41.0745, 33.4183 by changing the saturation by 10% instead.



■ 24.6259, 41.0745,  
33.4183

■ 24.6259, 41.0745,  
33.4183

268.3519,  
350.6319, 332.2201

■ 15.9258, 28.3773,  
22.1733

■ 50.4969, 76.7970,  
66.1516

■ 9.5622, 18.6103,  
13.7848

■ 68.3986, 100.5910,  
88.4770

■ 5.1697, 11.3890,  
7.8341

■ 90.0982, 128.8529,  
115.3329

■ 2.3829, 6.3291,  
3.9027

■ 115.9610,  
161.9668, 147.1380

■ 0.8366, 3.0462,  
1.5721

■ 146.3524,  
200.3173, 184.3107

■ 0.0000, 1.1559,  
0.2708

181.6378,

■ 0.0000, 0.0253,

244.2887, 227.2696

0.0000

222.1825,  
294.2654, 276.4332

■ 0.0000, 0.0000,  
0.0000

■ 24.6259, 41.0745,  
33.4183

■ 24.6259, 41.0745,  
33.4183

■ 24.6264, 41.0758,  
33.4172

■ 25.2998, 41.3774,  
35.5084

■ 26.2699, 41.8300,  
37.7011

■ 27.6366, 42.4850,  
40.0032

■ 29.4513, 43.3690,  
42.4182

■ 31.7575, 44.5042,  
44.9490

■ 34.5933, 45.9104,  
47.5987

■ 37.9930, 47.6052,  
50.3696

■ 41.9881, 49.6048,  
53.2644

■ 46.6076, 51.9242,  
56.2854

# Harmonies

## Analogous

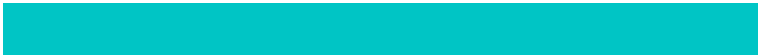
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.0078, 41.0745, 18.2600



24.6259, 41.0745, 33.4183



24.6745, 41.0745, 59.1729

# Triad

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



24.6259, 41.0745, 33.4183



43.8043, 41.0745, 111.1513



52.4250, 41.0745, 17.9774

# Complementary

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



24.6259, 41.0745, 33.4183



23.0829, 11.8334, 4.0875

# 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.



58.1169, 41.0745, 32.8410



24.6259, 41.0745, 33.4183



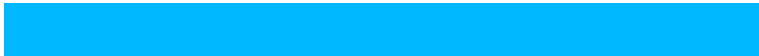
52.6447, 41.0745, 89.0671

# Square

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



24.6259, 41.0745, 33.4183



34.8623, 41.0745, 111.4984



58.2029, 41.0745, 58.3270



43.5389, 41.0745, 11.9476



# Rectangle

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



24.6259, 41.0745, 33.4183



26.6153, 41.0745, 79.8562



58.2029, 41.0745, 58.3270



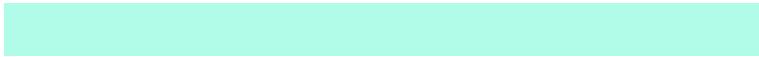
54.8314, 41.0745, 21.7850

# Sweetspot

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



24.6270, 41.0761, 33.4193



67.7306, 85.1023, 89.9688



20.9329, 39.7621, 6.5722



14.2358, 18.3388, 19.2300



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.



24.6270, 41.0761, 33.4193



43.9980, 73.5222, 59.2865



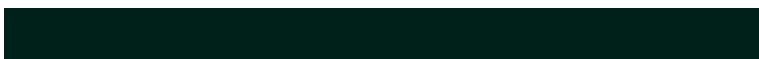
20.6788, 25.5961, 55.4822



10.2546, 11.3829, 12.3442



16.0408, 26.7104, 21.9059



0.7197, 1.1647, 1.0869



# Inverse Universe

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



23.0829, 11.8334, 4.0875



41.2546, 21.1582, 6.8709



23.4648, 13.5189, 1.3733



10.1768, 10.1193, 11.0218



15.0312, 7.7022, 2.8103

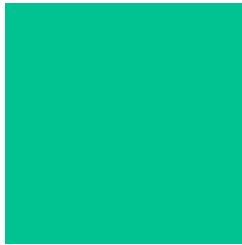


0.6786, 0.3444, 0.2748



# Previews

## White Background



This preview shows how the XYZ color 24.6259, 41.0745, 33.4183 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 24.6259, 41.0745, 33.4183 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

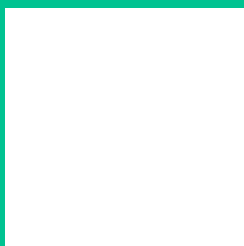
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 24.6259, 41.0745, 33.4183**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.6259, 41.0745, 33.4183.



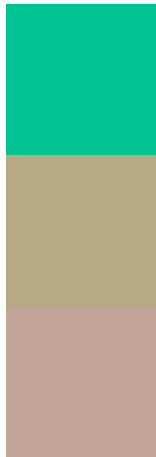
This preview shows how white text looks on a background with the XYZ color 24.6259, 41.0745,



# 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

24.6259, 41.0745, 33.4183

### Protanopia

37.8998, 40.3880, 27.9884

### Deuteranopia

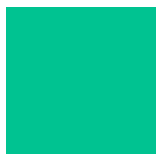
41.1911, 40.2873, 35.3110



## **Tritanopia**

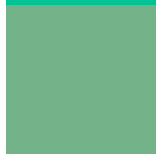
30.5997, 40.9092, 62.7834

# Trichromacy



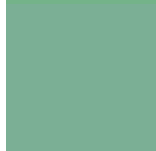
## Original Color

24.6259, 41.0745, 33.4183



## Protanomaly

27.8379, 37.7593, 29.4880



## Deuteranomaly

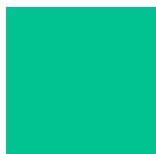
28.9232, 37.0408, 34.0590



## Tritanomaly

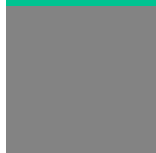
27.7320, 40.6554, 50.6416

# Monochromacy



## Original Color

24.6259, 41.0745, 33.4183



## Achromatopsia

21.5731, 22.6966, 24.7166



## Achromatomaly

19.5668, 26.7278, 27.4202

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.6259, 41.0745, 33.4183 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, 195, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 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, 195, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 24.6259, 41.0745, 33.4183 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, 195, 145) }
```



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

```
.border{ border-color:rgb(0, 195, 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, 195, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.6259, 41.0745, 33.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 145) }
```

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

```
.background{ background-color: rgb(0, 195,  
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](#).

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