

# Converting Colors

XYZ(19.6829, 40.8579, 23.7257)

Have a look what the booklet for  
XYZ(19.6829, 40.8579, 23.7257)  
contains.

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# Color

**XYZ(24.0975, 43.0576,  
23.8705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C975
RGB	0, 201, 117
RGB Percent	0%, 79%, 46%
CMY	1.0000, 0.2118, 0.5412
CMYK	1.00, 0.00, 0.42, 0.21
HSL	155°, 100%, 39%
HSV	155°, 100%, 79%
XYZ	24.0975, 43.0576, 23.8705
YIQ	131.3250, -92.8320, -68.7360

# Conversions

## Conversions Part 2

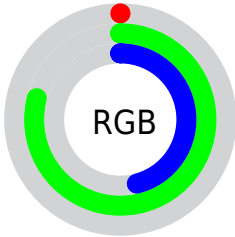
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 127, 201
Decimal	51573
CIELab	71.59, -61.10, 30.43
CIELCh	72, 68.261, 153.527
Yxy	43.0576, 0.2647, 0.4730
Android (android.graphics.Color)	4278241653 (0xFF00C975)
YUV	131.3250, -7.0622, -115.1720
Hunter-Lab	65.6183, -49.2801, 24.3644

# Details

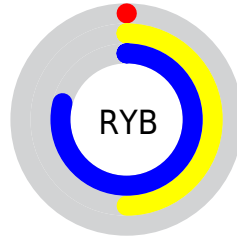
The XYZ color **24.0975, 43.0576, 23.8705** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **25.6892, 13.0585, 9.5569**, and the grayscale version is **21.7399, 22.8720, 24.9076**.

A 20% lighter version of the original color is **48.3825, 77.1890, 50.3792**, and **11.1385, 20.6560, 8.7101** is the 20% darker color. If you saturate the color by 10%, you get **24.0981, 43.0591, 23.8698**, and if you desaturate by 10%, it is **24.9057, 43.4157, 26.6047**.

# Distribution



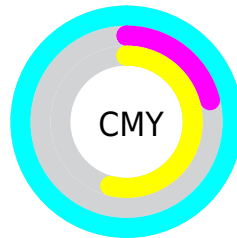
- Red (0%)
- Green (79%)
- Blue (46%)



- Red (0%)
- Yellow (50%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (21%)




- Cyan (100%)
- Magenta (21%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0975, 43.0576, 23.8705 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 24.0975, 43.0576, 23.8705 by changing the saturation by 10% instead.





 24.0975, 43.0576,  
23.8705


 24.0975, 43.0576,  
23.8705


265.7444,  
358.8486, 285.4306


 15.5311, 29.9303,  
15.0263


 49.6428, 79.7978,  
50.7600


 9.2817, 19.7857,  
8.6910


 67.3524, 104.1794,  
69.6423


 4.9840, 12.2394,  
4.4461


 88.8404, 133.0814,  
92.7077

 2.2725, 6.9069,  
1.8731

 114.4722,  
166.8879, 120.3748

 0.7805, 3.4040,  
0.4756

 144.6131,  
205.9836, 153.0621

 0.0000, 1.3461,  
0.0000

179.6286,

 0.0000, 0.1765,

250.7526, 191.1881

0.0000

219.8839,  
301.5795, 235.1714

■ 0.0000, 0.0000,  
0.0000

■ 24.0975, 43.0576,  
23.8705

■ 24.0975, 43.0576,  
23.8705

■ 24.0981, 43.0591,  
23.8698

■ 24.9057, 43.4157,  
26.6047

■ 26.0602, 43.9460,  
29.5914

■ 27.6677, 44.7044,  
32.8422

■ 29.7846, 45.7199,  
36.3652

■ 32.4585, 47.0170,  
40.1678

■ 35.7313, 48.6171,  
44.2572

■ 39.6409, 50.5395,  
48.6399

■ 44.2217, 52.8021,  
53.3225

■ 49.5057, 55.4212,  
58.3112

# Harmonies

## Analogous

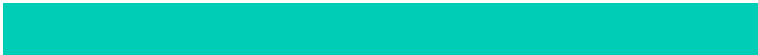
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.8483, 43.0576, 11.3480



24.0975, 43.0576, 23.8705



22.5274, 43.0576, 50.9033

# Triad

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



24.0975, 43.0576, 23.8705



42.3058, 43.0576, 143.2617



62.3579, 43.0576, 19.8064

# Complementary

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



24.0975, 43.0576, 23.8705



25.6892, 13.0585, 9.5569

# 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.



67.3184, 43.0576, 43.0791



24.0975, 43.0576, 23.8705



54.4502, 43.0576, 122.3519

# Square

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



24.0975, 43.0576, 23.8705



31.8061, 43.0576, 129.9162



64.1837, 43.0576, 81.3136



51.6387, 43.0576, 9.8957

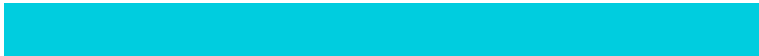


# Rectangle

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



24.0975, 43.0576, 23.8705



23.7603, 43.0576, 77.1129



64.1837, 43.0576, 81.3136



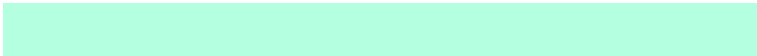
64.8369, 43.0576, 25.8091

# Sweetspot

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



24.0986, 43.0593, 23.8715



67.5581, 86.3735, 82.9429



24.8281, 43.8063, 7.1473



13.8228, 18.1736, 17.0552



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.



24.0986, 43.0593, 23.8715



41.1391, 73.6717, 40.2461



28.4419, 40.0147, 61.4850



10.7520, 11.9897, 12.6441



15.1980, 27.0916, 15.2530



0.7552, 1.2970, 0.9093



# Inverse Universe

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



25.6892, 13.0585, 9.5569



43.8714, 22.3126, 15.7870



24.2376, 12.7165, 1.1774



10.8147, 10.7092, 12.0073



16.1950, 8.2275, 6.2365

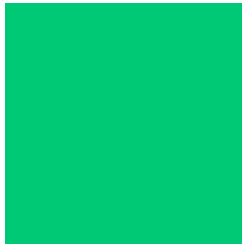


0.8028, 0.4040, 0.4846



# Previews

## White Background



This preview shows how the XYZ color 24.0975, 43.0576, 23.8705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

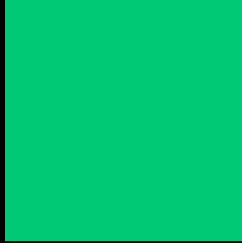
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.0975, 43.0576, 23.8705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

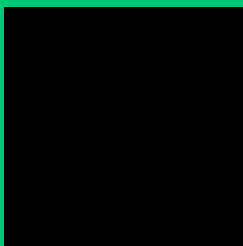
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

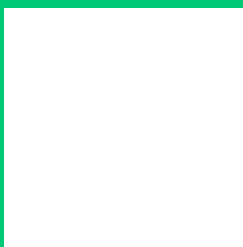
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 24.0975, 43.0576, 23.8705**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.0975, 43.0576, 23.8705.



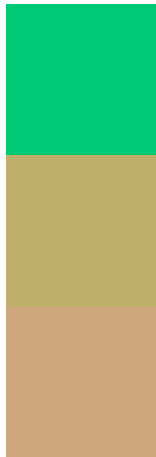
This preview shows how white text looks on a background with the XYZ color 24.0975, 43.0576, 23.8705.



# 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

24.0975, 43.0576, 23.8705

### Protanopia

38.9728, 42.2599, 19.7386

### Deuteranopia

42.9740, 42.2399, 25.2902



## Tritanopia

32.5954, 43.1737, 65.0079

# Trichromacy



## Original Color

24.0975, 43.0576, 23.8705



## Protanomaly

27.8401, 39.4717, 20.9033



## Deuteranomaly

28.9930, 38.4706, 24.3098



## Tritanomaly

28.3274, 42.6905, 46.7915

# Monochromacy



## Original Color

24.0975, 43.0576, 23.8705



## Achromatopsia

21.5731, 22.6966, 24.7166



## Achromatomaly

19.2216, 27.1223, 23.9607

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.0975, 43.0576, 23.8705 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, 201, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 117)  
}
```

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, 201, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 24.0975, 43.0576, 23.8705 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, 201, 117) }
```



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

```
.border{ border-color:rgb(0, 201, 117) }
```

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

Here you see how a box with a 4 pixel rgb(0, 201, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.0975, 43.0576, 23.8705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 117) }
```

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

```
.background{ background-color: rgb(0, 201,  
117) }
```

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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