

# Converting Colors

XYZ(11.3307, 33.5427, 33.5470)

Have a look what the booklet for  
XYZ(11.3307, 33.5427, 33.5470)  
contains.

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# Color

**XYZ(24.3364, 40.2465,  
34.0895)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C193
RGB	0, 193, 147
RGB Percent	0%, 76%, 58%
CMY	0.9999, 0.2431, 0.4235
CMYK	1.00, 0.00, 0.24, 0.24
HSL	166°, 100%, 38%
HSV	166°, 100%, 76%
XYZ	24.3364, 40.2465, 34.0895
YIQ	130.0490, -100.2620, -55.2220

# Conversions

## Conversions Part 2

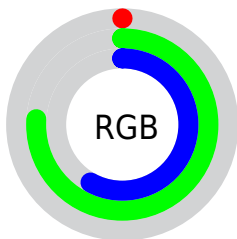
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 110, 193
Decimal	49555
CIELab	69.64, -51.66, 11.86
CIELCh	70, 53.003, 167.072
Yxy	40.2465, 0.2466, 0.4079
Android (android.graphics.Color)	4278239635 (0xFF00C193)
YUV	130.0490, 8.3568, -114.0530
Hunter-Lab	63.4401, -42.5455, 12.5487

# Details

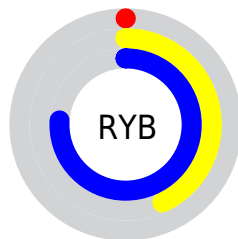
The XYZ color **24.3364, 40.2465, 34.0895** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **22.4869, 11.5357, 3.6283**, and the grayscale version is **21.2348, 22.3406, 24.3289**.

A 20% lighter version of the original color is **49.8738, 75.2409, 67.1527**, and **11.1998, 19.0215, 14.1476** is the 20% darker color. If you saturate the color by 10%, you get **24.3369, 40.2478, 34.0885**, and if you desaturate by 10%, it is **24.9805, 40.5370, 36.0431**.

# Distribution



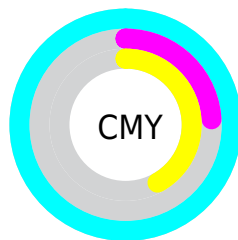
- Red (0%)
- Green (76%)
- Blue (58%)



- Red (0%)
- Yellow (43%)
- Blue (76%)



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




- Cyan (100%)
- Magenta (24%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3364, 40.2465, 34.0895 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 24.3364, 40.2465, 34.0895 by changing the saturation by 10% instead.





 24.3364, 40.2465,  
34.0895


 24.3364, 40.2465,  
34.0895


266.9258,  
347.1614, 335.3123


 15.7094, 27.7308,  
22.6844


 50.0293, 75.5387,  
67.2083


 9.4083, 18.1228,  
14.1576


 67.8259, 99.0840,  
89.7591


 5.0677, 11.0382,  
8.0903


 89.4098, 127.0747,  
116.8623

 2.3222, 6.0925,  
4.0642

 115.1464,  
159.8950, 148.9364

 0.8060, 2.9014,  
1.6606

 145.4009,  
197.9295, 186.3999

 0.0000, 1.0805,  
0.3335

180.5387,

 0.0000, 0.0000,

241.5624, 229.6713

0.0000

220.9253,  
291.1783, 279.1693

■ 24.3364, 40.2465,  
34.0895

■ 24.3364, 40.2465,  
34.0895

■ 24.3369, 40.2478,  
34.0885

■ 24.9805, 40.5370,  
36.0431

■ 25.9110, 40.9724,  
38.0855

■ 27.2267, 41.6047,  
40.2230

■ 28.9775, 42.4596,  
42.4588

■ 31.2057, 43.5589,  
44.7956

■ 33.9485, 44.9217,  
47.2360

■ 37.2395, 46.5653,  
49.7824

■ 41.1090, 48.5054,  
52.4370

■ 45.5855, 50.7565,  
55.2018

# Harmonies

## Analogous

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



27.4125, 40.2465, 18.8994



24.3364, 40.2465, 34.0895



24.5652, 40.2465, 59.1860

# Triad

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



24.3364, 40.2465, 34.0895



43.2970, 40.2465, 106.1790



50.6082, 40.2465, 17.5552

# Complementary

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



24.3364, 40.2465, 34.0895



22.4869, 11.5357, 3.6283

# 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.



56.2646, 40.2465, 31.3768



24.3364, 40.2465, 34.0895



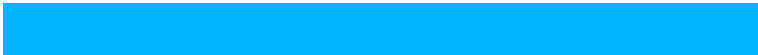
51.6304, 40.2465, 84.4577

# Square

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



24.3364, 40.2465, 34.0895



34.6840, 40.2465, 107.7802



56.6643, 40.2465, 55.2493



42.0590, 40.2465, 12.0432



# Rectangle

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



24.3364, 40.2465, 34.0895



26.5551, 40.2465, 78.8666



56.6643, 40.2465, 55.2493



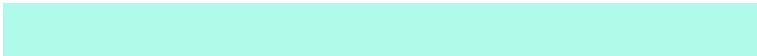
52.9631, 40.2465, 21.0867

# Sweetspot

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



24.3375, 40.2481, 34.0904



66.3877, 83.2428, 88.9344



20.3022, 38.7762, 6.4151



13.6831, 17.5788, 18.6595



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.



24.3375, 40.2481, 34.0904



43.4851, 72.0413, 60.5189



19.7146, 24.0272, 54.0525



10.2626, 11.3861, 12.3859



16.2187, 26.7816, 22.8428



0.7262, 1.1673, 1.1208



# Inverse Universe

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



22.4869, 11.5357, 3.6283



40.1928, 20.6272, 6.0784



23.0611, 13.4736, 1.3858



10.1694, 10.1164, 10.9827



14.9821, 7.6826, 2.5519

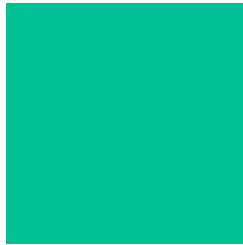


0.6753, 0.3431, 0.2576



# Previews

## White Background



This preview shows how the XYZ color 24.3364, 40.2465, 34.0895 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 24.3364, 40.2465, 34.0895 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 24.3364, 40.2465, 34.0895**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.3364, 40.2465, 34.0895.



This preview shows how white text looks on a background with the XYZ color 24.3364, 40.2465,



# 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

24.3364, 40.2465, 34.0895

### Protanopia

37.1515, 39.7089, 28.6282

### Deuteranopia

40.4158, 39.6038, 36.0860



## Tritanopia

30.0260, 40.3270, 61.4597

# Trichromacy



## Original Color

24.3364, 40.2465, 34.0895



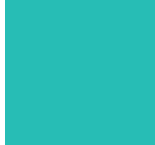
## Protanomaly

27.5200, 37.2823, 30.1718



## Deuteranomaly

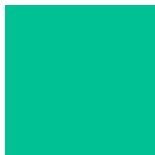
28.7480, 36.6440, 34.8360



## Tritanomaly

27.3748, 40.1627, 50.0254

# Monochromacy



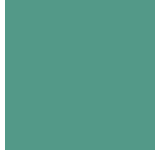
## Original Color

24.3364, 40.2465, 34.0895



## Achromatopsia

21.2178, 22.3228, 24.3095



## Achromatomaly

19.4024, 26.3990, 27.3655

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.3364, 40.2465, 34.0895 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, 193, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 147)  
}
```

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, 193, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 24.3364, 40.2465, 34.0895 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, 193, 147) }
```



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

```
.border{ border-color:rgb(0, 193, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.3364, 40.2465, 34.0895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 147) }
```

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

```
.background{ background-color: rgb(0, 193,  
147) }
```

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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