

# Converting Colors

XYZ(20.4365, 39.3444, 25.5262)

Have a look what the booklet for  
XYZ(20.4365, 39.3444, 25.5262)  
contains.

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# Color

**XYZ(23.3780, 40.9351,  
25.7379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C47C
RGB	0, 196, 124
RGB Percent	0%, 77%, 49%
CMY	0.9999, 0.2314, 0.5137
CMYK	1.00, 0.00, 0.37, 0.23
HSL	158°, 100%, 38%
HSV	158°, 100%, 77%
XYZ	23.3780, 40.9351, 25.7379
YIQ	129.1880, -93.7040, -63.9440

# Conversions

## Conversions Part 2

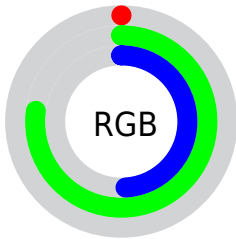
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 120, 196
Decimal	50300
CIELab	70.13, -57.98, 24.84
CIELCh	70, 63.073, 156.808
Yxy	40.9351, 0.2596, 0.4546
Android (android.graphics.Color)	4278240380 (0xFF00C47C)
YUV	129.1880, -2.5577, -113.2979
Hunter-Lab	63.9805, -46.7434, 20.9354

# Details

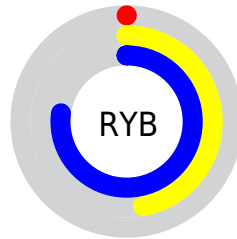
The XYZ color **23.3780, 40.9351, 25.7379** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.9361, 12.2046, 7.2275**, and the grayscale version is **20.9663, 22.0582, 24.0213**.

A 20% lighter version of the original color is **48.5232, 76.7106, 53.8442**, and **10.7609, 19.5442, 9.6838** is the 20% darker color. If you saturate the color by 10%, you get **23.3786, 40.9365, 25.7373**, and if you desaturate by 10%, it is **24.1319, 41.2703, 28.2389**.

# Distribution



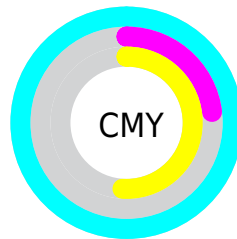
- Red (0%)
- Green (77%)
- Blue (49%)



- Red (0%)
- Yellow (47%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3780, 40.9351, 25.7379 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 23.3780, 40.9351, 25.7379 by changing the saturation by 10% instead.





 23.3780, 40.9351,  
25.7379


 23.3780, 40.9351,  
25.7379


262.1598,  
350.0493, 295.0575


 14.9951, 28.2684,  
16.4037


 48.4754, 76.5854,  
53.8307


 8.9022, 18.5281,  
9.6528


 65.9205, 100.3377,  
73.4263


 4.7341, 11.3298,  
5.0668


 87.1172, 128.5540,  
97.2795

 2.1252, 6.2891,  
2.2271

 112.4306,  
161.6187, 125.8088

 0.7029, 3.0217,  
0.6899

 142.2263,  
199.9162, 159.4327

 0.0000, 1.1431,  
0.0000

176.8694,

 0.0000, 0.0144,

243.8309, 198.5697

0.0000

216.7255,  
293.7471, 243.6385

■ 0.0000, 0.0000,  
0.0000

■ 23.3780, 40.9351,  
25.7379

■ 23.3780, 40.9351,  
25.7379

■ 23.3786, 40.9365,  
25.7373

■ 24.1319, 41.2703,  
28.2389

■ 25.2022, 41.7636,  
30.9310

■ 26.6908, 42.4685,  
33.8233

■ 28.6502, 43.4121,  
36.9217

■ 31.1249, 44.6171,  
40.2315

■ 34.1538, 46.1036,  
43.7578

■ 37.7722, 47.8898,  
47.5052

■ 42.0123, 49.9921,  
51.4784

■ 46.9038, 52.4258,  
55.6817

# Harmonies

## Analogous

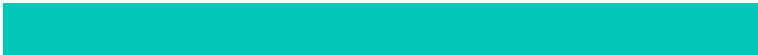
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.1948, 40.9351, 12.8104



23.3780, 40.9351, 25.7379



22.3519, 40.9351, 51.6483

# Triad

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



23.3780, 40.9351, 25.7379



41.3060, 40.9351, 128.0904



57.0425, 40.9351, 18.4691

# Complementary

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



23.3780, 40.9351, 25.7379



23.9361, 12.2046, 7.2275

# 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.



62.1068, 40.9351, 38.1724



23.3780, 40.9351, 25.7379



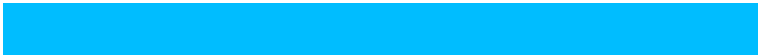
52.0391, 40.9351, 107.2586

# Square

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



23.3780, 40.9351, 25.7379



31.6089, 40.9351, 119.8081



60.1303, 40.9351, 70.8870



47.2513, 40.9351, 10.0964



# Rectangle

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



23.3780, 40.9351, 25.7379



23.7566, 40.9351, 75.4048



60.1303, 40.9351, 70.8870



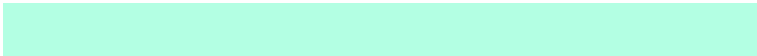
59.4262, 40.9351, 23.5508

# Sweetspot

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



23.3791, 40.9367, 25.7388



68.0858, 86.5845, 85.7219



22.6536, 40.9830, 6.7169



13.9484, 18.2239, 17.7169



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.



23.3791, 40.9367, 25.7388



42.2213, 74.1045, 45.9448



24.9344, 33.9258, 57.4607



10.2065, 11.3636, 12.0906



15.0638, 26.3196, 16.7611



0.6831, 1.1501, 0.8941



# Inverse Universe

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



23.9361, 12.2046, 7.2275



43.2460, 22.0624, 12.4936



23.0699, 12.3442, 1.1671



10.2227, 10.1377, 11.2635



15.4174, 7.8567, 4.8441

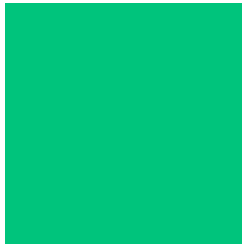


0.6995, 0.3528, 0.3848



# Previews

## White Background



This preview shows how the XYZ color 23.3780, 40.9351, 25.7379 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 23.3780, 40.9351, 25.7379 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

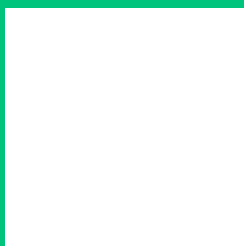
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 23.3780, 40.9351, 25.7379**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.3780, 40.9351, 25.7379.



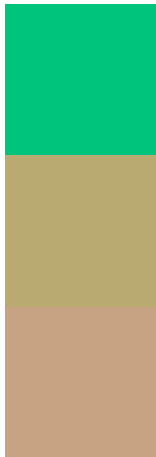
This preview shows how white text looks on a background with the XYZ color 23.3780, 40.9351,

25.7379.

# 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

23.3780, 40.9351, 25.7379

### Protanopia

37.3629, 40.2560, 21.4237

### Deuteranopia

40.8152, 40.0024, 27.3998



## Tritanopia

30.9568, 41.1070, 62.1800

# Trichromacy



## Original Color

23.3780, 40.9351, 25.7379



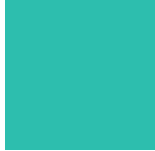
## Protanomaly

26.8022, 37.3761, 22.6313



## Deuteranomaly

28.0448, 36.7569, 26.3856



## Tritanomaly

27.1356, 40.4408, 46.4201

# Monochromacy



## Original Color

23.3780, 40.9351, 25.7379



## Achromatopsia

20.8660, 21.9526, 23.9064



## Achromatomaly

18.7017, 26.1086, 24.1325

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.3780, 40.9351, 25.7379 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, 196, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 124)  
}
```

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, 196, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 23.3780, 40.9351, 25.7379 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, 196, 124) }
```



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

```
.border{ border-color:rgb(0, 196, 124) }
```

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

Here you see how a box with a 4 pixel rgb(0, 196, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.3780, 40.9351, 25.7379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 124) }
```

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

```
.background{ background-color: rgb(0, 196,  
124) }
```

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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