

# Converting Colors

XYZ(25.1110, 39.9378, 40.1060)

Have a look what the booklet for  
XYZ(25.1110, 39.9378, 40.1060)  
contains.

<b>XYZ(25.0638, 39.8348, 40.0861)</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(25.0638, 39.8348,  
40.0861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BFA1
RGB	0, 191, 161
RGB Percent	0%, 75%, 63%
CMY	0.9999, 0.2510, 0.3686
CMYK	1.00, 0.00, 0.16, 0.25
HSL	171°, 100%, 37%
HSV	171°, 100%, 75%
XYZ	25.0638, 39.8348, 40.0861
YIQ	130.4710, -104.2060, -49.8220

# Conversions

## Conversions Part 2

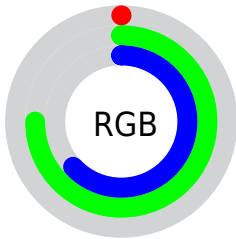
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 104, 191
Decimal	49057
CIELab	69.35, -47.26, 3.82
CIELCh	69, 47.418, 175.384
Yxy	39.8348, 0.2387, 0.3794
Android (android.graphics.Color)	4278239137 (0xFF00BFA1)
YUV	130.4710, 15.0508, -114.4231
Hunter-Lab	63.1148, -39.5660, 6.5235

# Details

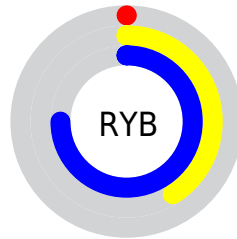
The XYZ color **25.0638, 39.8348, 40.0861** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.7216, 11.1712, 2.2415**, and the grayscale version is **21.3629, 22.4754, 24.4757**.

A 20% lighter version of the original color is **51.2176, 74.8020, 76.7045**, and **11.6186, 18.7341, 17.7555** is the 20% darker color. If you saturate the color by 10%, you get **25.0643, 39.8360, 40.0852**, and if you desaturate by 10%, it is **25.6035, 40.0830, 41.5103**.

# Distribution



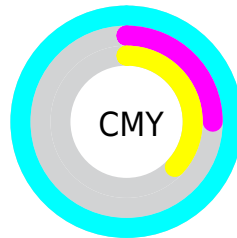
- Red (0%)
- Green (75%)
- Blue (63%)



- Red (0%)
- Yellow (41%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0638, 39.8348, 40.0861 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 25.0638, 39.8348, 40.0861 by changing the saturation by 10% instead.





 25.0638, 39.8348,  
40.0861


 25.0638, 39.8348,  
40.0861


270.4973,  
345.4268, 362.0492


 16.2536, 27.4098,  
27.2914


 51.2029, 74.9119,  
76.5331


 9.7958, 17.8812,  
17.5578


 69.2624, 98.3327,  
101.0225


 5.3250, 10.8647,  
10.4668


 91.1358, 126.1876,  
130.2472

 2.4759, 5.9759,  
5.5999

 117.1883,  
158.8610, 164.6258

 0.8831, 2.8305,  
2.5386

 147.7854,  
196.7372, 204.5767

 0.0000, 1.0439,  
0.8605

183.2923,

 0.0000, 0.0000,

240.2006, 250.5186

0.0000

224.0745,  
289.6357, 302.8699

■ 25.0638, 39.8348,  
40.0861

■ 25.0638, 39.8348,  
40.0861

■ 25.0643, 39.8360,  
40.0852

■ 25.6035, 40.0830,  
41.5103

■ 26.4144, 40.4694,  
42.9797

■ 27.5934, 41.0448,  
44.4999

■ 29.1891, 41.8342,  
46.0734

■ 31.2426, 42.8589,  
47.7024

■ 33.7899, 44.1374,  
49.3888

■ 36.8636, 45.6865,  
51.1343

■ 40.4934, 47.5215,  
52.9405

■ 44.7067, 49.6565,  
54.8089

# Harmonies

## Analogous

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



27.0463, 39.8348, 23.6493



25.0638, 39.8348, 40.0861



26.1157, 39.8348, 63.9443

# Triad

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



25.0638, 39.8348, 40.0861



44.4909, 39.8348, 93.3501



46.8020, 39.8348, 17.2092

# Complementary

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



25.0638, 39.8348, 40.0861



21.7216, 11.1712, 2.2415

# 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.



52.6881, 39.8348, 27.7679



25.0638, 39.8348, 40.0861



51.2333, 39.8348, 71.8167

# Square

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



25.0638, 39.8348, 40.0861



36.6959, 39.8348, 100.0243



54.4092, 39.8348, 46.8355



39.0521, 39.8348, 13.5673



# Rectangle

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



25.0638, 39.8348, 40.0861



28.4822, 39.8348, 80.5878



54.4092, 39.8348, 46.8355



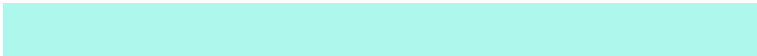
49.1029, 39.8348, 19.8501

# Sweetspot

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



25.0649, 39.8363, 40.0870



65.7293, 81.6749, 91.4236



19.2228, 37.5677, 6.2389



13.8960, 17.6639, 19.7804



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.



25.0649, 39.8363, 40.0870



44.8138, 71.3142, 71.3960



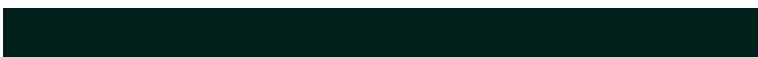
17.0385, 19.0296, 52.0670



9.7424, 10.7831, 11.8931



16.4958, 26.1886, 26.4713



0.6638, 1.0329, 1.1296



# Inverse Universe

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



21.7216, 11.1712, 2.2415



38.8452, 19.9834, 3.7169



23.3024, 14.7081, 1.6115



9.5896, 9.5602, 10.2281



14.2939, 7.3487, 1.5756

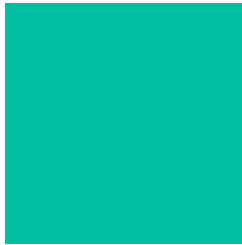


0.5794, 0.2957, 0.1646



# Previews

## White Background



This preview shows how the XYZ color 25.0638, 39.8348, 40.0861 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 25.0638, 39.8348, 40.0861 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

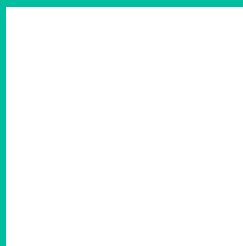
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.0638, 39.8348, 40.0861**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0638, 39.8348, 40.0861.



This preview shows how white text looks on a background with the XYZ color 25.0638, 39.8348,



# 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

25.0638, 39.8348, 40.0861

### Protanopia

37.3319, 39.4053, 34.0721

### Deuteranopia

40.0798, 39.2987, 42.0322



## Tritanopia

29.4129, 39.6992, 61.3708

# Trichromacy



## Original Color

25.0638, 39.8348, 40.0861



## Protanomaly

27.9572, 36.7953, 35.7657



## Deuteranomaly

29.2063, 36.4553, 41.0946



## Tritanomaly

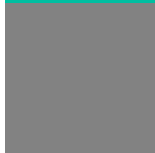
27.2929, 39.4259, 52.6258

# Monochromacy



## Original Color

25.0638, 39.8348, 40.0861



## Achromatopsia

21.2178, 22.3228, 24.3095



## Achromatomaly

19.6032, 26.2186, 29.2268

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0638, 39.8348, 40.0861 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, 191, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 161)  
}
```

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, 191, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0638, 39.8348, 40.0861 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, 191, 161) }
```



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

```
.border{ border-color:rgb(0, 191, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0638, 39.8348, 40.0861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 161) }
```

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

```
.background{ background-color: rgb(0, 191,  
161) }
```

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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