

Converting Colors

XYZ(18.6046, 36.6269, 39.7558)

Have a look what the booklet for
XYZ(18.6046, 36.6269, 39.7558)
contains.

XYZ(25.0638, 39.8348, 40.0861)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	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

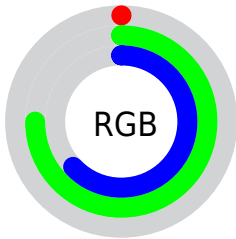
Format	Color
RYB	0, 104, 191
Decimal	49057
CIELab	69.35, -47.26, 3.82
CIELCh	69, 47.418, 175.384
Yxy	39.8348, 0.2387, 0.3794
Android (android.graphics.Color)	4278239137 (0xFF00BFA1)
YUV	130.4710, 15.0508, -114.4231
Hunter-Lab	63.1148, -39.5660, 6.5235

Details

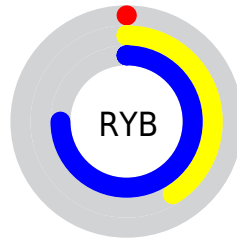
The XYZ color **25.0638, 39.8348, 40.0861** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.7216, 11.1712, 2.2415**, and the grayscale version is **21.3629, 22.4754, 24.4757**.

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



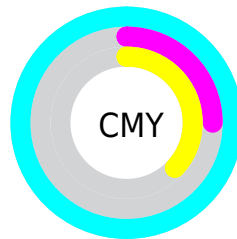
- Red (0%)
- Green (75%)
- Blue (63%)



- 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



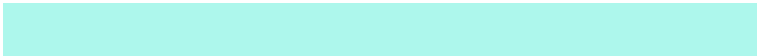
49.1029, 39.8348, 19.8501

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



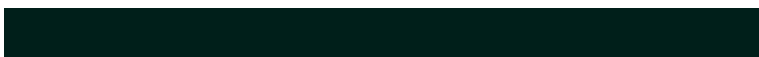
17.0385, 19.0296, 52.0670



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



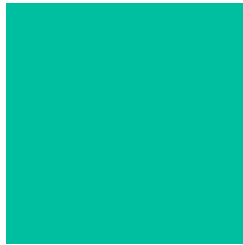
14.2939, 7.3487, 1.5756



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

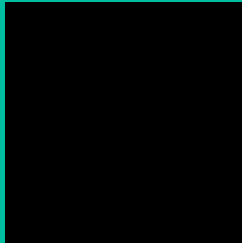
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

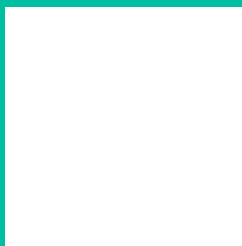
If you want to check with other color combinations, try the [Color Contrast Checker](#).

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.

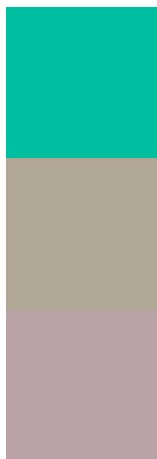


This preview shows how white text looks on a background with the XYZ color 25.0638, 39.8348,

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



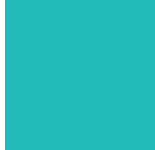
Protanomaly

27.9572, 36.7953, 35.7657



Deuteranomaly

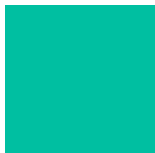
29.2063, 36.4553, 41.0946



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](#).

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