

Converting Colors

XYZ(23.0042, 40.7506, 36.8017)

Have a look what the booklet for
XYZ(23.0042, 40.7506, 36.8017)
contains.

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Color

**XYZ(25.7160, 42.2324,
36.9333)**

Conversions

Conversions Part 1

Format	Color
Hex	00C599
RGB	0, 197, 153
RGB Percent	0%, 77%, 60%
CMY	0.9999, 0.2274, 0.4000
CMYK	1.00, 0.00, 0.22, 0.23
HSL	167°, 100%, 39%
HSV	167°, 100%, 77%
XYZ	25.7160, 42.2324, 36.9333
YIQ	133.0810, -103.2880, -55.4480

Conversions

Conversions Part 2

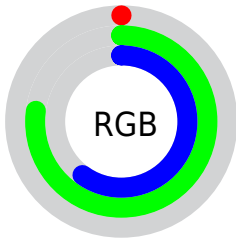
Format	Color
RYB	0, 111, 197
Decimal	50585
CIELab	71.03, -51.74, 10.57
CIELCh	71, 52.813, 168.453
Yxy	42.2324, 0.2452, 0.4027
Android (android.graphics.Color)	4278240665 (0xFF00C599)
YUV	133.0810, 9.8201, -116.7120
Hunter-Lab	64.9865, -43.0915, 11.7947

Details

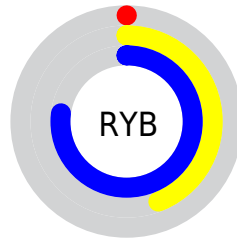
The XYZ color **25.7160, 42.2324, 36.9333** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.4821, 12.0533, 3.4741**, and the grayscale version is **22.3191, 23.4814, 25.5712**.

A 20% lighter version of the original color is **52.2780, 78.7343, 71.4734**, and **12.0713, 20.3053, 15.8535** is the 20% darker color. If you saturate the color by 10%, you get **25.7165, 42.2337, 36.9321**, and if you desaturate by 10%, it is **26.3701, 42.5279, 38.8975**.

Distribution



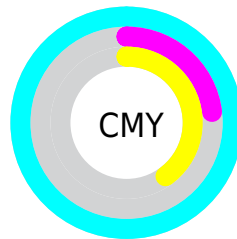
- Red (0%)
- Green (77%)
- Blue (60%)



- Red (0%)
- Yellow (44%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.7160, 42.2324, 36.9333 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 25.7160, 42.2324, 36.9333 by changing the saturation by 10% instead.


 25.7160, 42.2324,
36.9333


 25.7160, 42.2324,
36.9333


273.6675,
355.4454, 348.1816


 16.7429, 29.2833,
24.8605

 52.2510, 78.5512,
71.6554


 10.1455, 19.2952,
15.7551


 70.5436, 102.6898,
95.1417


 5.5585, 11.8838,
9.1985


 92.6733, 131.3269,
123.2696

 2.6166, 6.6646,
4.7723

 119.0057,
164.8470, 156.4576

 0.9544, 3.2532,
2.0579

 149.9059,
203.6346, 195.1243

 0.0000, 1.2653,
0.5905

185.7393,

 0.0000, 0.1141,

248.0739, 239.6881

0.0000

226.8714,
298.5494, 290.5678

■ 0.0000, 0.0000,
0.0000

■ 25.7160, 42.2324,
36.9333

■ 25.7160, 42.2324,
36.9333

■ 25.7165, 42.2337,
36.9321

■ 26.3701, 42.5279,
38.8975

■ 27.3239, 42.9752,
40.9456

■ 28.6796, 43.6282,
43.0839

■ 30.4898, 44.5139,
45.3157

■ 32.7990, 45.6552,
47.6436

■ 35.6465, 47.0723,
50.0703

■ 39.0672, 48.7833,
52.5980

■ 43.0933, 50.8048,
55.2290

■ 47.7545, 53.1520,
57.9653

Harmonies

Analogous

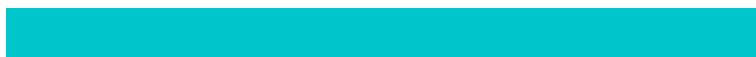
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.7423, 42.2324, 20.7135



25.7160, 42.2324, 36.9333



26.1108, 42.2324, 63.1280

Triad

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



25.7160, 42.2324, 36.9333



45.7495, 42.2324, 109.1296



52.4675, 42.2324, 18.3772

Complementary

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



25.7160, 42.2324, 36.9333



23.4821, 12.0533, 3.4741

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.



58.4658, 42.2324, 32.2640



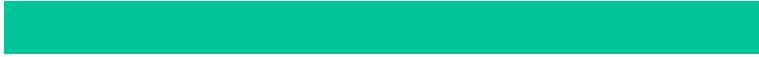
25.7160, 42.2324, 36.9333



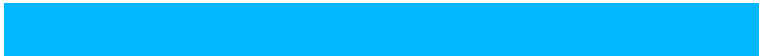
54.2127, 42.2324, 86.2888

Square

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



25.7160, 42.2324, 36.9333



36.8417, 42.2324, 111.8450



59.1476, 42.2324, 56.4040



43.6309, 42.2324, 12.9315

Rectangle

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



25.7160, 42.2324, 36.9333



28.2739, 42.2324, 83.2689



59.1476, 42.2324, 56.4040



54.9349, 42.2324, 21.9163

Sweetspot

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



25.7172, 42.2340, 36.9343



69.6547, 87.2121, 93.9832



21.0931, 40.5145, 6.7090



14.3245, 18.3743, 19.6975



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.



25.7172, 42.2340, 36.9343



45.9575, 75.5990, 65.6191



20.1240, 24.1222, 56.4206



10.8414, 12.0254, 13.1149



16.9469, 27.7911, 24.4625



0.8282, 1.3262, 1.2938

Inverse Universe

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



23.4821, 12.0533, 3.4741



41.9776, 21.5550, 5.8140



24.2796, 14.3762, 1.4959



10.7293, 10.6751, 11.5576



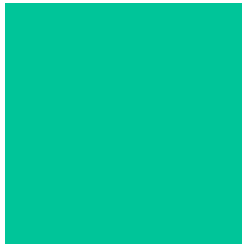
15.4707, 7.9378, 2.4225



0.7608, 0.3872, 0.2636

Previews

White Background



This preview shows how the XYZ color 25.7160, 42.2324, 36.9333 looks on a white background.

Color Contrast Check

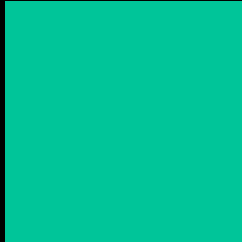
Large Text (above 18pt) WCAG AA × Fail

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 25.7160, 42.2324, 36.9333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

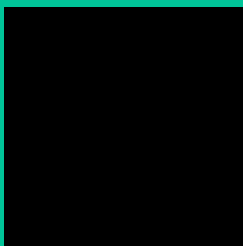
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

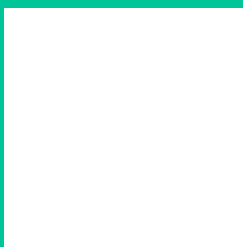
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.7160, 42.2324, 36.9333

Background



This preview shows how black text looks on a background with the XYZ color 25.7160, 42.2324, 36.9333.

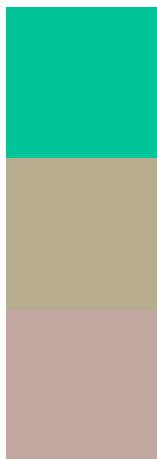


This preview shows how white text looks on a background with the XYZ color 25.7160, 42.2324,

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

25.7160, 42.2324, 36.9333

Protanopia

39.0887, 41.4954, 31.1485

Deuteranopia

42.4120, 41.6448, 39.0606



Tritanopia

31.3574, 42.2268, 64.2555

Trichromacy



Original Color

25.7160, 42.2324, 36.9333



Protanomaly

28.8372, 38.8051, 32.7583



Deuteranomaly

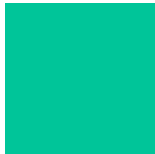
30.1746, 38.4861, 37.7365



Tritanomaly

28.7696, 42.1164, 53.0673

Monochromacy



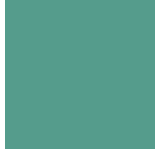
Original Color

25.7160, 42.2324, 36.9333



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.3684, 27.6017, 29.0651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7160, 42.2324, 36.9333 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, 197, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 153)  
}
```

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, 197, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 153) }
```

Border

The CSS property to change the border of an element to XYZ 25.7160, 42.2324, 36.9333 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, 197, 153) }
```


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

```
.border{ border-color:rgb(0, 197, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7160, 42.2324, 36.9333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 153) }
```

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

```
.background{ background-color: rgb(0, 197,  
153) }
```

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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