

Converting Colors

XYZ(16.4169, 37.7315, 31.9912)

Have a look what the booklet for
XYZ(16.4169, 37.7315, 31.9912)
contains.

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Color

**XYZ(25.0766, 42.3412,
32.4422)**

Conversions

Conversions Part 1

Format	Color
Hex	00C68E
RGB	0, 198, 142
RGB Percent	0%, 78%, 56%
CMY	0.9999, 0.2235, 0.4431
CMYK	1.00, 0.00, 0.28, 0.22
HSL	163°, 100%, 39%
HSV	163°, 100%, 78%
XYZ	25.0766, 42.3412, 32.4422
YIQ	132.4140, -100.0320, -59.3920

Conversions

Conversions Part 2

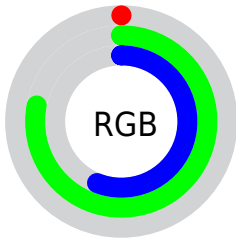
Format	Color
RYB	0, 115, 198
Decimal	50830
CIELab	71.11, -54.77, 16.60
CIELCh	71, 57.229, 163.138
Yxy	42.3412, 0.2511, 0.4240
Android (android.graphics.Color)	4278240910 (0xFF00C68E)
YUV	132.4140, 4.7259, -116.1271
Hunter-Lab	65.0701, -45.0827, 15.9887

Details

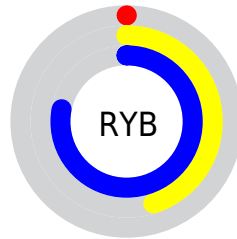
The XYZ color **25.0766, 42.3412, 32.4422** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **24.0042, 12.2924, 4.8518**, and the grayscale version is **22.0939, 23.2445, 25.3133**.

A 20% lighter version of the original color is **50.9793, 78.2148, 64.6346**, and **11.7542, 20.4176, 13.4467** is the 20% darker color. If you saturate the color by 10%, you get **25.0770, 42.3425, 32.4408**, and if you desaturate by 10%, it is **25.7936, 42.6621, 34.7275**.

Distribution



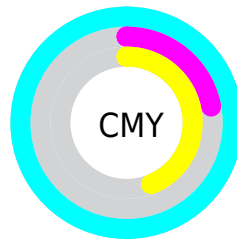
- Red (0%)
- Green (78%)
- Blue (56%)



- Red (0%)
- Yellow (45%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0766, 42.3412, 32.4422 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 25.0766, 42.3412, 32.4422 by changing the saturation by 10% instead.


 25.0766, 42.3412,
32.4422


 25.0766, 42.3412,
32.4422


270.5598,
355.8954, 327.6833


 16.2632, 29.3686,
21.4319


 51.2235, 78.7158,
64.6096


 9.8026, 19.3598,
13.2457


 69.2876, 102.8865,
86.6038


 5.3295, 11.9305,
7.4653


 91.1660, 131.5586,
113.0963

 2.4786, 6.6964,
3.6719

 117.2241,
165.1167, 144.5058

 0.8845, 3.2730,
1.4471

 147.8271,
203.9450, 181.2506

 0.0000, 1.2758,
0.1781

183.3405,

 0.0000, 0.1224,

248.4279, 223.7495

0.0000

224.1296,
298.9499, 272.4209

■ 0.0000, 0.0000,
0.0000

■ 25.0766, 42.3412,
32.4422

■ 25.0766, 42.3412,
32.4422

■ 25.0770, 42.3425,
32.4408

■ 25.7936, 42.6621,
34.7275

■ 26.8219, 43.1399,
37.1383

■ 28.2646, 43.8289,
39.6820

■ 30.1753, 44.7565,
42.3624

■ 32.5992, 45.9461,
45.1833

■ 35.5760, 47.4182,
48.1480

■ 39.1414, 49.1910,
51.2594

■ 43.3281, 51.2815,
54.5207

■ 48.1663, 53.7052,
57.9344

Harmonies

Analogous

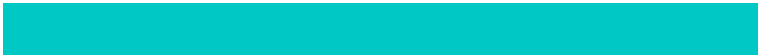
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.9269, 42.3412, 17.3466



25.0766, 42.3412, 32.4422



24.8515, 42.3412, 59.1495

Triad

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



25.0766, 42.3412, 32.4422



44.5736, 42.3412, 118.8292



55.2217, 42.3412, 18.6396

Complementary

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



25.0766, 42.3412, 32.4422



24.0042, 12.2924, 4.8518

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.



60.9569, 42.3412, 35.1305



25.0766, 42.3412, 32.4422



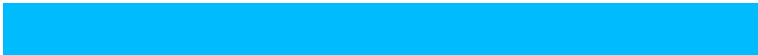
54.1841, 42.3412, 96.2464

Square

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



25.0766, 42.3412, 32.4422



35.1385, 42.3412, 117.1706



60.5496, 42.3412, 63.1422



45.8216, 42.3412, 11.8221

Rectangle

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



25.0766, 42.3412, 32.4422



26.7175, 42.3412, 81.3320



60.5496, 42.3412, 63.1422



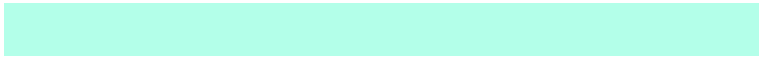
57.7042, 42.3412, 22.8762

Sweetspot

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



25.0777, 42.3429, 32.4432



68.9947, 86.9481, 90.5078



21.8324, 41.2338, 6.8089



14.1659, 18.3109, 18.8619



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.



25.0777, 42.3429, 32.4432



44.2937, 74.9335, 56.8581



21.9329, 27.5559, 57.5909



10.8138, 12.0144, 12.9698



16.3458, 27.5507, 21.2973



0.8039, 1.3165, 1.1658

Inverse Universe

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



24.0042, 12.2924, 4.8518



42.4139, 21.7296, 8.1119



24.1506, 13.7280, 1.3775



10.7551, 10.6854, 11.6939



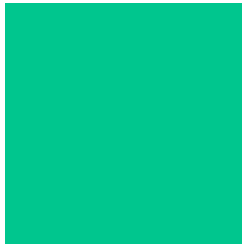
15.6416, 8.0062, 3.3226



0.7725, 0.3918, 0.3249

Previews

White Background



This preview shows how the XYZ color 25.0766, 42.3412, 32.4422 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 25.0766, 42.3412, 32.4422 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 25.0766, 42.3412, 32.4422

Background



This preview shows how black text looks on a background with the XYZ color 25.0766, 42.3412, 32.4422.



This preview shows how white text looks on a background with the XYZ color 25.0766, 42.3412,

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

25.0766, 42.3412, 32.4422

Protanopia

38.7894, 41.4310, 27.0717

Deuteranopia

42.3497, 41.4481, 34.2020



Tritanopia

31.6797, 42.3929, 64.2706

Trichromacy



Original Color

25.0766, 42.3412, 32.4422



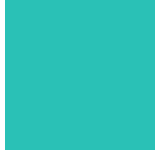
Protanomaly

28.2982, 38.6205, 28.5173



Deuteranomaly

29.7129, 38.3517, 33.0307



Tritanomaly

28.4683, 42.0096, 50.8642

Monochromacy



Original Color

25.0766, 42.3412, 32.4422



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.9886, 27.4393, 27.5354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0766, 42.3412, 32.4422 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, 198, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 142)  
}
```

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, 198, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 142) }
```

Border

The CSS property to change the border of an element to XYZ 25.0766, 42.3412, 32.4422 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, 198, 142) }
```


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

```
.border{ border-color:rgb(0, 198, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 198, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0766, 42.3412, 32.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 142) }
```

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

```
.background{ background-color: rgb(0, 198,  
142) }
```

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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