

Converting Colors

XYZ(25.2742, 42.9244, 31.8896)

Have a look what the booklet for
XYZ(25.2742, 42.9244, 31.8896)
contains.

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Color

**XYZ(25.1696, 42.7468,
31.7353)**

Conversions

Conversions Part 1

Format	Color
Hex	01C78C
RGB	1, 199, 140
RGB Percent	0%, 78%, 55%
CMY	0.9960, 0.2196, 0.4510
CMYK	0.99, 0.00, 0.30, 0.22
HSL	162°, 99%, 39%
HSV	162°, 99%, 78%
XYZ	25.1696, 42.7468, 31.7353
YIQ	133.0720, -99.0690, -60.3250

Conversions

Conversions Part 2

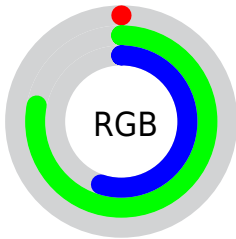
Format	Color
RYB	1, 117, 199
Decimal	116620
CIELab	71.38, -55.57, 18.06
CIELCh	71, 58.428, 161.999
Yxy	42.7468, 0.2526, 0.4290
Android (android.graphics.Color)	4278306700 (0xFF01C78C)
YUV	133.0720, 3.4155, -115.8271
Hunter-Lab	65.3810, -45.7000, 16.9880

Details

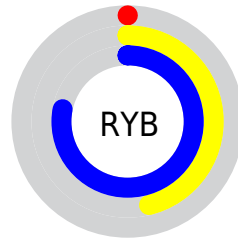
The XYZ color **25.1696, 42.7468, 31.7353** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **24.3814, 12.4912, 5.4042**, and the grayscale version is **22.3372, 23.5005, 25.5920**.

A 20% lighter version of the original color is **50.8644, 78.1817, 63.4487**, and **11.8187, 20.6847, 13.0425** is the 20% darker color. If you saturate the color by 10%, you get **25.1355, 42.7329, 31.6176**, and if you desaturate by 10%, it is **25.9148, 43.0802, 34.1160**.

Distribution



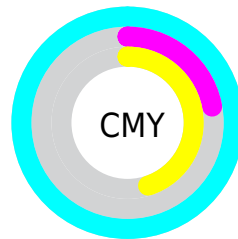
- Red (0%)
- Green (78%)
- Blue (55%)



- Red (0%)
- Yellow (46%)
- Blue (78%)



- Cyan (99%)
- Magenta (0%)
- Yellow (30%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.1696, 42.7468, 31.7353 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 25.1696, 42.7468, 31.7353 by changing the saturation by 10% instead.


 25.1696, 42.7468,
31.7353


 25.1696, 42.7468,
31.7353


271.0136,
357.5694, 324.3672


 16.3329, 29.6865,
20.8963


 51.3731, 79.3286,
63.4890

 9.8523, 19.6008,
12.8577


 69.4707, 103.6190,
85.2407


 5.3627, 12.1052,
7.2010


 91.3858, 132.4214,
111.4670

 2.4985, 6.8153,
3.5078

 117.4840,
166.1204, 142.5865

 0.8945, 3.3469,
1.3594

 148.1305,
205.1003, 179.0178

 0.0000, 1.3154,
0.1097

183.6907,

 0.0000, 0.1531,

249.7455, 221.1793

0.0000

224.5299,
300.4404, 269.4896

■ 0.0000, 0.0000,
0.0000

■ 25.1696, 42.7468,
31.7353

■ 25.1696, 42.7468,
31.7353

■ 25.1355, 42.7329,
31.6176

■ 25.9148, 43.0802,
34.1160

■ 26.9878, 43.5787,
36.6361

■ 28.4854, 44.2932,
39.3028

■ 30.4612, 45.2515,
42.1204

■ 32.9609, 46.4769,
45.0929

■ 36.0243, 47.9900,
48.2239

■ 39.6876, 49.8094,
51.5166

■ 43.9838, 51.9521,
54.9743

■ 48.9434, 54.4337,
58.6001

Harmonies

Analogous

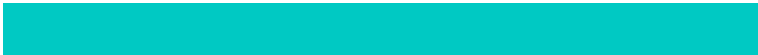
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.2456, 42.7468, 16.7854



25.1696, 42.7468, 31.7353



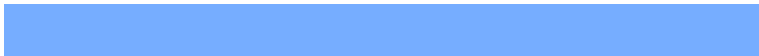
24.7991, 42.7468, 58.7342

Triad

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



25.1696, 42.7468, 31.7353



44.6887, 42.7468, 122.1451



56.3631, 42.7468, 18.8995

Complementary

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



25.1696, 42.7468, 31.7353



24.3814, 12.4912, 5.4042

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.



62.0726, 42.7468, 36.1692



25.1696, 42.7468, 31.7353



54.6400, 42.7468, 99.4985

Square

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



25.1696, 42.7468, 31.7353



35.0621, 42.7468, 119.3747



61.3955, 42.7468, 65.3637



46.7572, 42.7468, 11.7032

Rectangle

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



25.1696, 42.7468, 31.7353



26.6116, 42.7468, 81.5402



61.3955, 42.7468, 65.3637



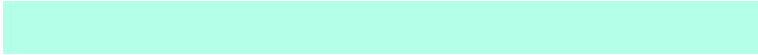
58.8665, 42.7468, 23.3419

Sweetspot

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



25.1707, 42.7485, 31.7363



68.8292, 86.8819, 89.6366



22.3185, 41.8243, 6.9259



14.1262, 18.2950, 18.6530



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.



25.1707, 42.7485, 31.7363



43.8973, 74.7749, 54.7705



22.7902, 29.0667, 58.4441



10.8068, 12.0116, 12.9330



16.2022, 27.4933, 20.5412



0.7980, 1.3141, 1.1347

Inverse Universe

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



24.3814, 12.4912, 5.4042



42.5443, 21.7817, 8.7983



24.3395, 13.7044, 1.3917



10.7618, 10.6881, 11.7288



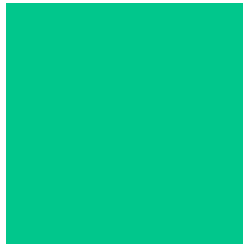
15.6920, 8.0263, 3.5878



0.7755, 0.3930, 0.3408

Previews

White Background



This preview shows how the XYZ color 25.1696, 42.7468, 31.7353 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 25.1696, 42.7468, 31.7353 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

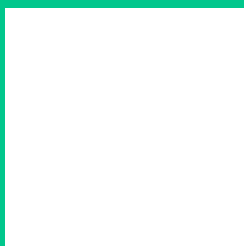
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.1696, 42.7468, 31.7353

Background



This preview shows how black text looks on a background with the XYZ color 25.1696, 42.7468, 31.7353.

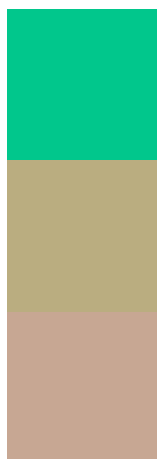


This preview shows how white text looks on a background with the XYZ color 25.1696, 42.7468,

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

25.1696, 42.7468, 31.7353

Protanopia

39.0896, 41.8848, 26.4464

Deuteranopia

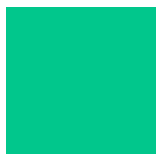
42.6384, 41.8861, 33.4413



Tritanopia

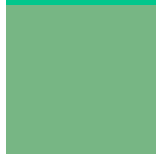
32.0861, 42.9111, 64.9841

Trichromacy



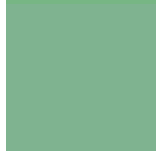
Original Color

25.1696, 42.7468, 31.7353



Protanomaly

28.5006, 39.0438, 27.8639



Deuteranomaly

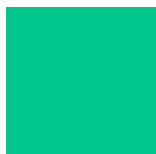
29.9065, 38.7658, 32.2919



Tritanomaly

28.7315, 42.4746, 50.9401

Monochromacy



Original Color

25.1696, 42.7468, 31.7353



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.2472, 27.8228, 27.5958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1696, 42.7468, 31.7353 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(1, 199, 140)` looks like.

```
.text, #text, p{  
    color:rgb(1, 199, 140)  
}
```

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(1, 199, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 199, 140) }
```

Border

The CSS property to change the border of an element to XYZ 25.1696, 42.7468, 31.7353 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(1, 199, 140) }
```


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

```
.border{ border-color:rgb(1, 199, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 199, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 199, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 199, 140);  
box-shadow:4px 4px 4px 4px rgb(1, 199,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1696, 42.7468, 31.7353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 199, 140) }
```

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

```
.background{ background-color: rgb(1, 199,  
140) }
```

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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