

Converting Colors

XYZ(24.6057, 42.4830, 28.9448)

Have a look what the booklet for
XYZ(24.6057, 42.4830, 28.9448)
contains.

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Color

**XYZ(24.6571, 42.5403,
29.1018)**

Conversions

Conversions Part 1

Format	Color
Hex	00C785
RGB	0, 199, 133
RGB Percent	0%, 78%, 52%
CMY	0.9999, 0.2196, 0.4784
CMYK	1.00, 0.00, 0.33, 0.22
HSL	160°, 100%, 39%
HSV	160°, 100%, 78%
XYZ	24.6571, 42.5403, 29.1018
YIQ	131.9750, -97.4180, -62.7140

Conversions

Conversions Part 2

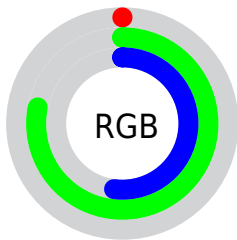
Format	Color
RYB	0, 119, 199
Decimal	51077
CIELab	71.24, -57.15, 21.59
CIELCh	71, 61.095, 159.309
Yxy	42.5403, 0.2560, 0.4418
Android (android.graphics.Color)	4278241157 (0xFF00C785)
YUV	131.9750, 0.5053, -115.7421
Hunter-Lab	65.2229, -46.6594, 19.2015

Details

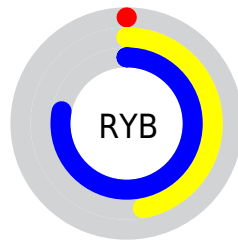
The XYZ color **24.6571, 42.5403, 29.1018** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **24.5384, 12.5367, 6.2845**, and the grayscale version is **21.9495, 23.0926, 25.1478**.

A 20% lighter version of the original color is **49.8785, 77.7745, 58.8375**, and **11.5346, 20.5711, 11.5463** is the 20% darker color. If you saturate the color by 10%, you get **24.6574, 42.5416, 29.1000**, and if you desaturate by 10%, it is **25.4155, 42.8780, 31.5944**.

Distribution



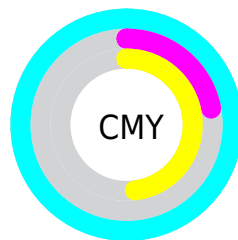
- Red (0%)
- Green (78%)
- Blue (52%)



- Red (0%)
- Yellow (47%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6571, 42.5403, 29.1018 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 24.6571, 42.5403, 29.1018 by changing the saturation by 10% instead.


 24.6571, 42.5403,
29.1018


 24.6571, 42.5403,
29.1018


268.5052,
356.7178, 311.7709


 15.9491, 29.5246,
18.9116


 50.5473, 79.0167,
59.2829


 9.5788, 19.4780,
11.4303


 68.4603, 103.2462,
80.1109


 5.1807, 12.0162,
6.2392


 90.1722, 131.9824,
105.3219

 2.3895, 6.7547,
2.9199

 116.0486,
165.6097, 135.3344

 0.8399, 3.3092,
1.0539

 146.4547,
204.5125, 170.5671

 0.0000, 1.2952,
0.0000

181.7560,

 0.0000, 0.1375,

249.0752, 211.4383

0.0000

222.3177,
299.6822, 258.3668

■ 0.0000, 0.0000,
0.0000

■ 24.6571, 42.5403,
29.1018

■ 24.6571, 42.5403,
29.1018

■ 24.6574, 42.5416,
29.1000

■ 25.4155, 42.8780,
31.5944

■ 26.4966, 43.3776,
34.2535

■ 28.0046, 44.0939,
37.0874

■ 29.9940, 45.0548,
40.1013

■ 32.5108, 46.2840,
43.2997

■ 35.5952, 47.8023,
46.6869

■ 39.2837, 49.6284,
50.2670

■ 43.6096, 51.7794,
54.0439

■ 48.6036, 54.2710,
58.0213

Harmonies

Analogous

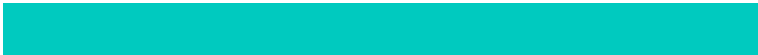
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.1895, 42.5403, 14.9352



24.6571, 42.5403, 29.1018



23.9367, 42.5403, 56.0616

Triad

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



24.6571, 42.5403, 29.1018



43.7055, 42.5403, 127.3247



57.6791, 42.5403, 18.9750

Complementary

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



24.6571, 42.5403, 29.1018



24.5384, 12.5367, 6.2845

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.



63.1660, 42.5403, 37.7764



24.6571, 42.5403, 29.1018



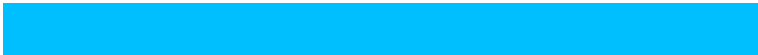
54.2470, 42.5403, 105.1525

Square

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



24.6571, 42.5403, 29.1018



33.8620, 42.5403, 121.7234



61.8137, 42.5403, 69.2606



47.8040, 42.5403, 11.0405

Rectangle

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



24.6571, 42.5403, 29.1018



25.5680, 42.5403, 79.8052



61.8137, 42.5403, 69.2606



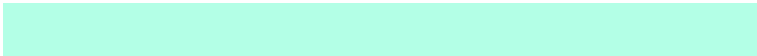
60.1678, 42.5403, 23.8198

Sweetspot

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



24.6582, 42.5420, 29.1028



68.4654, 86.7364, 87.7205



22.6947, 42.0188, 6.9150



14.0391, 18.2602, 18.1943



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.



24.6582, 42.5420, 29.1028



43.0552, 74.4381, 50.3362



23.9166, 31.3381, 58.8231



10.7913, 12.0054, 12.8514



15.8967, 27.3710, 18.9322



0.7852, 1.3090, 1.0677

Inverse Universe

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



24.5384, 12.5367, 6.2845



42.8632, 21.9093, 10.4775



24.1032, 13.2407, 1.2860



10.7765, 10.6940, 11.8066



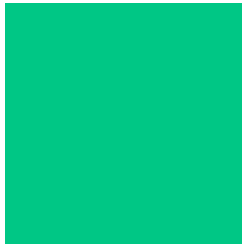
15.8142, 8.0753, 4.2316



0.7825, 0.3959, 0.3779

Previews

White Background



This preview shows how the XYZ color 24.6571, 42.5403, 29.1018 looks on a white background.

Color Contrast Check

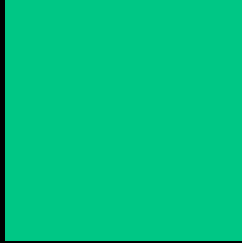
Large Text (above 18pt) WCAG AA × Fail

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 24.6571, 42.5403, 29.1018 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

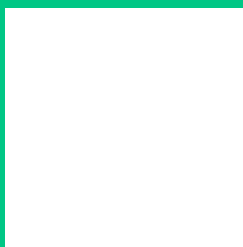
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.6571, 42.5403, 29.1018

Background



This preview shows how black text looks on a background with the XYZ color 24.6571, 42.5403, 29.1018.



This preview shows how white text looks on a background with the XYZ color 24.6571, 42.5403,

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

24.6571, 42.5403, 29.1018

Protanopia

38.9499, 41.8571, 24.4387

Deuteranopia

42.4572, 41.5834, 30.5996



Tritanopia

31.8871, 42.4999, 64.2803

Trichromacy



Original Color

24.6571, 42.5403, 29.1018



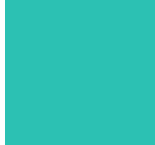
Protanomaly

28.1016, 38.8842, 25.7630



Deuteranomaly

29.3378, 38.2361, 29.5010



Tritanomaly

28.2454, 41.9301, 49.2525

Monochromacy



Original Color

24.6571, 42.5403, 29.1018



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.7095, 27.3277, 26.0658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6571, 42.5403, 29.1018 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, 199, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 133)  
}
```

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, 199, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 133) }
```

Border

The CSS property to change the border of an element to XYZ 24.6571, 42.5403, 29.1018 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, 199, 133) }
```


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

```
.border{ border-color:rgb(0, 199, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6571, 42.5403, 29.1018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 133) }
```

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

```
.background{ background-color: rgb(0, 199,  
133) }
```

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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