

Converting Colors

XYZ(24.5737, 42.7285, 27.9801)

Have a look what the booklet for
XYZ(24.5737, 42.7285, 27.9801)
contains.

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Color

**XYZ(24.6835, 42.9203,
28.1026)**

Conversions

Conversions Part 1

Format	Color
Hex	00C882
RGB	0, 200, 130
RGB Percent	0%, 78%, 51%
CMY	1.0000, 0.2157, 0.4902
CMYK	1.00, 0.00, 0.35, 0.22
HSL	159°, 100%, 39%
HSV	159°, 100%, 78%
XYZ	24.6835, 42.9203, 28.1026
YIQ	132.2200, -96.7300, -64.1700

Conversions

Conversions Part 2

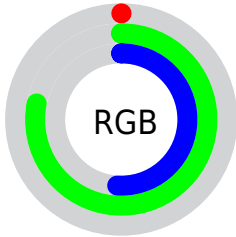
Format	Color
RYB	0, 121, 200
Decimal	51330
CIELab	71.50, -58.16, 23.53
CIELCh	72, 62.735, 157.976
Yxy	42.9203, 0.2579, 0.4485
Android (android.graphics.Color)	4278241410 (0xFF00C882)
YUV	132.2200, -1.0945, -115.9569
Hunter-Lab	65.5136, -47.3955, 20.4266

Details

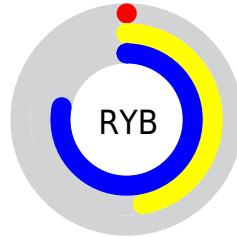
The XYZ color **24.6835, 42.9203, 28.1026** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **24.9263, 12.7224, 6.9382**, and the grayscale version is **22.0421, 23.1900, 25.2539**.

A 20% lighter version of the original color is **49.5628, 77.6482, 57.1751**, and **11.5734, 20.8300, 11.0000** is the 20% darker color. If you saturate the color by 10%, you get **24.6843, 42.9218, 28.1023**, and if you desaturate by 10%, it is **25.4593, 43.2652, 30.6771**.

Distribution



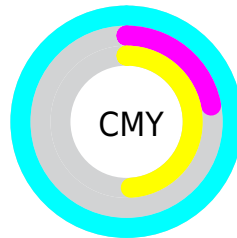
- Red (0%)
- Green (78%)
- Blue (51%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6835, 42.9203, 28.1026 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 24.6835, 42.9203, 28.1026 by changing the saturation by 10% instead.


 24.6835, 42.9203,
28.1026


 24.6835, 42.9203,
28.1026


268.6349,
358.2839, 306.8842


 15.9689, 29.8226,
18.1633


 50.5899, 79.5906,
57.6733


 9.5928, 19.7040,
10.8966


 68.5124, 103.9319,
78.1417


 5.1900, 12.1800,
5.8841


 90.2349, 132.7899,
102.9570

 2.3951, 6.8664,
2.7071

 116.1227,
166.5490, 132.5376

 0.8427, 3.3787,
0.9470

 146.5413,
205.5936, 167.3021

 0.0000, 1.3325,
0.0000

181.8560,

 0.0000, 0.1662,

250.3080, 207.6690

0.0000

222.4320,
301.0766, 254.0568

■ 0.0000, 0.0000,
0.0000

■ 24.6835, 42.9203,
28.1026

■ 24.6835, 42.9203,
28.1026

■ 24.6843, 42.9218,
28.1023

■ 25.4593, 43.2652,
30.6771

■ 26.5649, 43.7752,
33.4361

■ 28.1055, 44.5057,
36.3888

■ 30.1362, 45.4849,
39.5407

■ 32.7039, 46.7370,
42.8970

■ 35.8494, 48.2829,
46.4623

■ 39.6097, 50.1416,
50.2414

■ 44.0185, 52.3305,
54.2385

■ 49.1070, 54.8656,
58.4578

Harmonies

Analogous

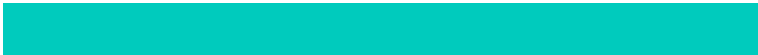
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.5066, 42.9203, 14.1948



24.6835, 42.9203, 28.1026



23.7731, 42.9203, 55.2984

Triad

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



24.6835, 42.9203, 28.1026



43.6849, 42.9203, 131.5101



59.0370, 42.9203, 19.2553

Complementary

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



24.6835, 42.9203, 28.1026



24.9263, 12.7224, 6.9382

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.



64.4576, 42.9203, 39.1010



24.6835, 42.9203, 28.1026



54.6465, 42.9203, 109.3994

Square

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



24.6835, 42.9203, 28.1026



33.6270, 42.9203, 124.2907



62.7253, 42.9203, 72.1815



48.9142, 42.9203, 10.8442

Rectangle

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



24.6835, 42.9203, 28.1026



25.3281, 42.9203, 79.7637



62.7253, 42.9203, 72.1815



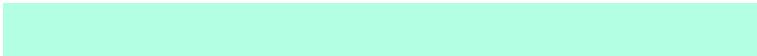
61.5427, 42.9203, 24.3721

Sweetspot

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



24.6846, 42.9220, 28.1036



68.2697, 86.6581, 86.6901



23.4287, 42.7400, 7.0151



13.9923, 18.2415, 17.9480



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.



24.6846, 42.9220, 28.1036



42.6196, 74.2638, 48.0421



25.4343, 34.1872, 59.9040



10.7829, 12.0021, 12.8072



15.7383, 27.3077, 18.0981



0.7785, 1.3064, 1.0325

Inverse Universe

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



24.9263, 12.7224, 6.9382



43.0539, 21.9856, 11.4818



24.2050, 13.0490, 1.2432



10.7846, 10.6972, 11.8490



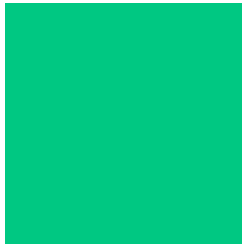
15.8868, 8.1043, 4.6140



0.7866, 0.3975, 0.3992

Previews

White Background



This preview shows how the XYZ color 24.6835, 42.9203, 28.1026 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 24.6835, 42.9203, 28.1026 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 24.6835, 42.9203, 28.1026

Background



This preview shows how black text looks on a background with the XYZ color 24.6835, 42.9203, 28.1026.

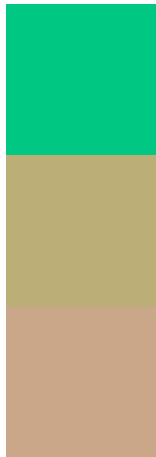


This preview shows how white text looks on a background with the XYZ color 24.6835, 42.9203,

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

24.6835, 42.9203, 28.1026

Protanopia

39.2049, 42.2954, 23.5503

Deuteranopia

43.0348, 42.1689, 29.9160



Tritanopia

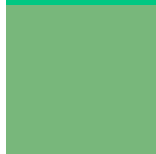
32.2972, 43.0199, 64.9940

Trichromacy



Original Color

24.6835, 42.9203, 28.1026



Protanomaly

28.2544, 39.2901, 24.8335



Deuteranomaly

29.5465, 38.6566, 28.8259



Tritanomaly

28.4099, 42.3558, 48.7976

Monochromacy



Original Color

24.6835, 42.9203, 28.1026



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.8099, 27.6375, 25.7632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6835, 42.9203, 28.1026 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, 200, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 130)  
}
```

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, 200, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 130) }
```

Border

The CSS property to change the border of an element to XYZ 24.6835, 42.9203, 28.1026 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, 200, 130) }
```


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

```
.border{ border-color:rgb(0, 200, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 200, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6835, 42.9203, 28.1026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 130) }
```

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

```
.background{ background-color: rgb(0, 200,  
130) }
```

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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