

Converting Colors

XYZ(24.8691, 44.4962, 24.4503)

Have a look what the booklet for
XYZ(24.8691, 44.4962, 24.4503)
contains.

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Color

**XYZ(24.8629, 44.4937,
24.4173)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC76
RGB	0, 204, 118
RGB Percent	0%, 80%, 46%
CMY	0.9999, 0.2000, 0.5372
CMYK	1.00, 0.00, 0.42, 0.20
HSL	155°, 100%, 40%
HSV	155°, 100%, 80%
XYZ	24.8629, 44.4937, 24.4173
YIQ	133.2000, -93.9780, -69.9940

Conversions

Conversions Part 2

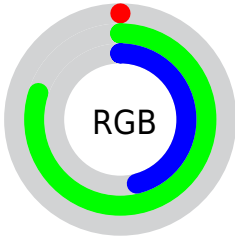
Format	Color
RYB	0, 129, 204
Decimal	52342
CIELab	72.56, -61.94, 31.18
CIELCh	73, 69.343, 153.283
Yxy	44.4937, 0.2651, 0.4745
Android (android.graphics.Color)	4278242422 (0xFF00CC76)
YUV	133.2000, -7.4936, -116.8164
Hunter-Lab	66.7036, -50.1977, 24.9890

Details

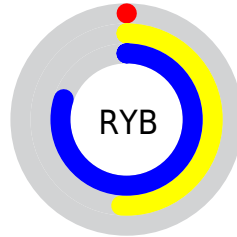
The XYZ color **24.8629, 44.4937, 24.4173** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **26.5834, 13.5104, 10.0147**, and the grayscale version is **22.4207, 23.5883, 25.6877**.

A 20% lighter version of the original color is **48.4775, 77.2270, 50.8793**, and **11.6333, 21.5972, 9.0244** is the 20% darker color. If you saturate the color by 10%, you get **24.8634, 44.4952, 24.4160**, and if you desaturate by 10%, it is **25.6957, 44.8624, 27.2484**.

Distribution



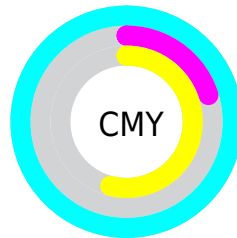
- Red (0%)
- Green (80%)
- Blue (46%)



- Red (0%)
- Yellow (51%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8629, 44.4937, 24.4173 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 24.8629, 44.4937, 24.4173 by changing the saturation by 10% instead.


 24.8629, 44.4937,
24.4173


 24.8629, 44.4937,
24.4173


269.5147,
364.7191, 288.2777


 16.1031, 31.0588,
15.4284


 50.8792, 81.9601,
51.6627


 9.6885, 20.6436,
8.9706


 68.8665, 106.7605,
70.7562


 5.2536, 12.8638,
4.6255


 90.6603, 136.1181,
94.0551

 2.4331, 7.3348,
1.9744

 116.6259,
170.4174, 121.9777

 0.8616, 3.6724,
0.5395

 147.1289,
210.0427, 154.9428

 0.0000, 1.4920,
0.0000

182.5344,

 0.0000, 0.2831,

255.3785, 193.3688

0.0000

223.2079,
306.8092, 237.6742

■ 0.0000, 0.0000,
0.0000

■ 24.8629, 44.4937,
24.4173

■ 24.8629, 44.4937,
24.4173

■ 24.8634, 44.4952,
24.4160

■ 25.6957, 44.8624,
27.2484

■ 26.8884, 45.4100,
30.3449

■ 28.5507, 46.1940,
33.7190

■ 30.7411, 47.2444,
37.3792

■ 33.5089, 48.5867,
41.3333

■ 36.8978, 50.2430,
45.5889

■ 40.9470, 52.2336,
50.1531

■ 45.6922, 54.5768,
55.0327

■ 51.1668, 57.2895,
60.2343

Harmonies

Analogous

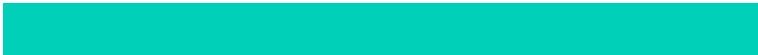
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.8610, 44.4937, 11.5649



24.8629, 44.4937, 24.4173



23.2010, 44.4937, 52.3251

Triad

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



24.8629, 44.4937, 24.4173



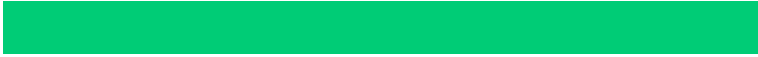
43.6235, 44.4937, 148.7393



64.6312, 44.4937, 20.5012

Complementary

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



24.8629, 44.4937, 24.4173



26.5834, 13.5104, 10.0147

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.



69.7251, 44.4937, 44.7637



24.8629, 44.4937, 24.4173



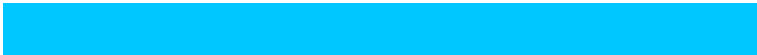
56.2406, 44.4937, 127.2266

Square

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



24.8629, 44.4937, 24.4173



32.7513, 44.4937, 134.5580



66.3982, 44.4937, 84.5934



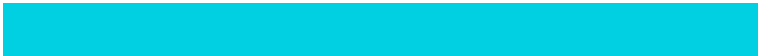
53.5211, 44.4937, 10.1704

Rectangle

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



24.8629, 44.4937, 24.4173



24.4555, 44.4937, 79.5004



66.3982, 44.4937, 84.5934



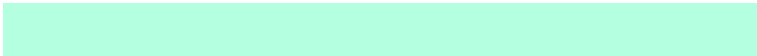
67.1899, 44.4937, 26.7590

Sweetspot

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



24.8640, 44.4955, 24.4183



67.5203, 86.3583, 82.7438



25.6573, 45.2822, 7.3886



13.8138, 18.1701, 17.0079



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.



24.8640, 44.4955, 24.4183



41.0651, 73.6420, 39.8564



29.4008, 41.3622, 63.5629



11.3355, 12.6439, 13.3241



15.6961, 28.0238, 15.6167



0.8471, 1.4607, 1.0026

Inverse Universe

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



26.5834, 13.5104, 10.0147



43.9207, 22.3323, 16.0463



25.0548, 13.1417, 1.2166



11.4053, 11.2908, 12.6688



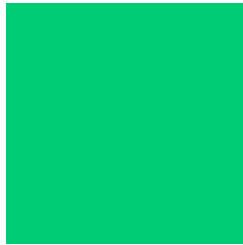
16.7752, 8.5207, 6.5351



0.9031, 0.4546, 0.5353

Previews

White Background



This preview shows how the XYZ color 24.8629, 44.4937, 24.4173 looks on a white background.

Color Contrast Check

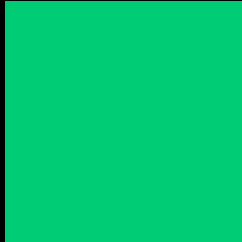
Large Text (above 18pt) WCAG AA × Fail

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 24.8629, 44.4937, 24.4173 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 24.8629, 44.4937, 24.4173

Background



This preview shows how black text looks on a background with the XYZ color 24.8629, 44.4937, 24.4173.



This preview shows how white text looks on a background with the XYZ color 24.8629, 44.4937,

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

24.8629, 44.4937, 24.4173

Protanopia

40.3683, 43.8433, 20.2449

Deuteranopia

44.5322, 43.5839, 25.8041



Tritanopia

33.4802, 44.2392, 67.0960

Trichromacy



Original Color

24.8629, 44.4937, 24.4173



Protanomaly

28.8079, 40.8993, 21.4149



Deuteranomaly

30.1346, 39.9543, 24.8626



Tritanomaly

29.0216, 43.6955, 47.9788

Monochromacy



Original Color

24.8629, 44.4937, 24.4173



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.0407, 28.2861, 24.8256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8629, 44.4937, 24.4173 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, 204, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 118)  
}
```

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, 204, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 118) }
```

Border

The CSS property to change the border of an element to XYZ 24.8629, 44.4937, 24.4173 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, 204, 118) }
```


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

```
.border{ border-color:rgb(0, 204, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8629, 44.4937, 24.4173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 118) }
```

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

```
.background{ background-color: rgb(0, 204,  
118) }
```

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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