

# Converting Colors

XYZ(24.9210, 44.5170, 24.7234)

Have a look what the booklet for  
XYZ(24.9210, 44.5170, 24.7234)  
contains.

<b>XYZ(24.9226, 44.5176, 24.7320)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(24.9226, 44.5176,  
24.7320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CC77
RGB	0, 204, 119
RGB Percent	0%, 80%, 47%
CMY	1.0000, 0.2000, 0.5333
CMYK	1.00, 0.00, 0.42, 0.20
HSL	155°, 100%, 40%
HSV	155°, 100%, 80%
XYZ	24.9226, 44.5176, 24.7320
YIQ	133.3140, -94.2990, -69.6830

# Conversions

## Conversions Part 2

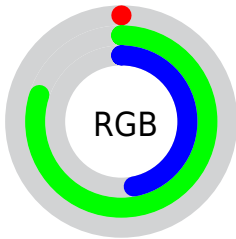
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 129, 204
Decimal	52343
CIELab	72.57, -61.75, 30.68
CIELCh	73, 68.955, 153.578
Yxy	44.5176, 0.2646, 0.4727
Android (android.graphics.Color)	4278242423 (0xFF00CC77)
YUV	133.3140, -7.0568, -116.9164
Hunter-Lab	66.7215, -50.0872, 24.7277

# Details

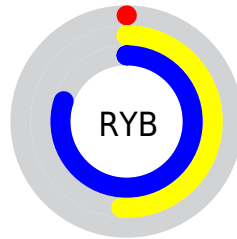
The XYZ color **24.9226, 44.5176, 24.7320** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **26.5431, 13.4942, 9.8026**, and the grayscale version is **22.4602, 23.6299, 25.7330**.

A 20% lighter version of the original color is **48.5732, 77.2653, 51.3833**, and **11.6641, 21.6095, 9.1865** is the 20% darker color. If you saturate the color by 10%, you get **24.9233, 44.5192, 24.7315**, and if you desaturate by 10%, it is **25.7543, 44.8859, 27.5574**.

# Distribution



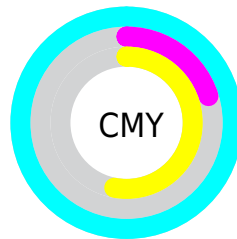
- Red (0%)
- Green (80%)
- Blue (47%)



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



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




- Cyan (100%)
- Magenta (20%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9226, 44.5176, 24.7320 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 24.9226, 44.5176, 24.7320 by changing the saturation by 10% instead.





 24.9226, 44.5176,  
24.7320


 24.9226, 44.5176,  
24.7320


269.8070,  
364.8163, 289.9055


 16.1478, 31.0776,  
15.6603


 50.9754, 81.9960,  
52.1808


 9.7203, 20.6580,  
9.1324


 68.9842, 106.8033,  
71.3950


 5.2748, 12.8742,  
4.7296


 90.8017, 136.1685,  
94.8272

 2.4458, 7.3420,  
2.0336

 116.7932,  
170.4759, 122.8958

 0.8680, 3.6769,  
0.5758

 147.3241,  
210.1100, 156.0193

 0.0000, 1.4945,  
0.0000

182.7598,

 0.0000, 0.2849,

255.4552, 194.6165

0.0000

223.4657,  
306.8958, 239.1057

■ 0.0000, 0.0000,  
0.0000

■ 24.9226, 44.5176,  
24.7320

■ 24.9226, 44.5176,  
24.7320

■ 24.9233, 44.5192,  
24.7315

■ 25.7543, 44.8859,  
27.5574

■ 26.9448, 45.4326,  
30.6431

■ 28.6039, 46.2153,  
34.0009

■ 30.7899, 47.2639,  
37.6391

■ 33.5523, 48.6040,  
41.5654

■ 36.9346, 50.2577,  
45.7872

■ 40.9760, 52.2451,  
50.3112

■ 45.7122, 54.5847,  
55.1443

■ 51.1764, 57.2933,  
60.2926

# Harmonies

## Analogous

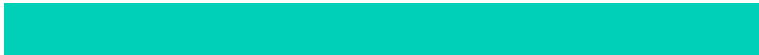
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.8568, 44.5176, 11.7666



24.9226, 44.5176, 24.7320



23.3074, 44.5176, 52.6868

# Triad

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



24.9226, 44.5176, 24.7320



43.7598, 44.5176, 147.9741



64.4321, 44.5176, 20.4709

# Complementary

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



24.9226, 44.5176, 24.7320



26.5431, 13.4942, 9.8026

# 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.



69.5675, 44.5176, 44.4884



24.9226, 44.5176, 24.7320



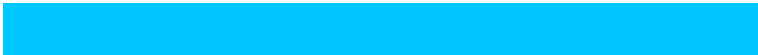
56.3018, 44.5176, 126.3357

# Square

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



24.9226, 44.5176, 24.7320



32.9087, 44.5176, 134.2571



66.3447, 44.5176, 83.9530



53.3564, 44.5176, 10.2428



# Rectangle

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



24.9226, 44.5176, 24.7320



24.5863, 44.5176, 79.7660



66.3447, 44.5176, 83.9530



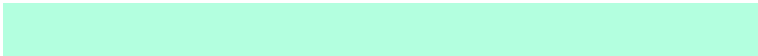
66.9957, 44.5176, 26.6658

# Sweetspot

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



24.9237, 44.5194, 24.7330



67.5710, 86.3786, 83.0107



25.6570, 45.2820, 7.3884



13.8258, 18.1749, 17.0714



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.



24.9237, 44.5194, 24.7330



41.1644, 73.6818, 40.3794



29.4007, 41.3620, 63.5630



11.3379, 12.6449, 13.3366



15.7338, 28.0388, 15.8149



0.8490, 1.4614, 1.0122



# Inverse Universe

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



26.5431, 13.4942, 9.8026



43.8548, 22.3059, 15.6995



25.0547, 13.1416, 1.2164



11.4030, 11.2899, 12.6566



16.7498, 8.5105, 6.4008

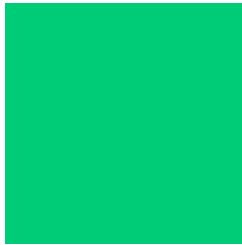


0.9016, 0.4541, 0.5279



# Previews

## White Background



This preview shows how the XYZ color 24.9226, 44.5176, 24.7320 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 24.9226, 44.5176, 24.7320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

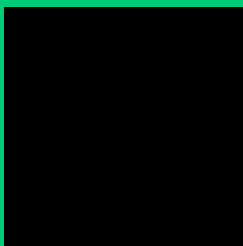
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

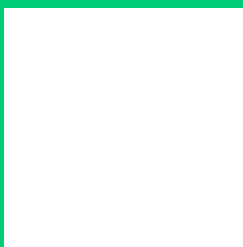
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 24.9226, 44.5176, 24.7320**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.9226, 44.5176, 24.7320.



This preview shows how white text looks on a background with the XYZ color 24.9226, 44.5176,



# 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

24.9226, 44.5176, 24.7320

### Protanopia

40.4212, 43.8644, 20.5236

### Deuteranopia

44.3132, 43.4635, 26.1324



## Tritanopia

33.4802, 44.2392, 67.0960

# Trichromacy



## Original Color

24.9226, 44.5176, 24.7320



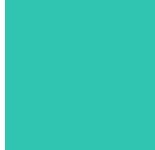
## Protanomaly

28.8633, 40.9215, 21.7066



## Deuteranomaly

30.0389, 39.8977, 25.1866



## Tritanomaly

29.0216, 43.6955, 47.9788

# Monochromacy



## Original Color

24.9226, 44.5176, 24.7320



## 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 24.9226, 44.5176, 24.7320 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 24.9226, 44.5176, 24.7320 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, 119) }
```



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

```
.border{ border-color:rgb(0, 204, 119) }
```

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, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
119) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.9226, 44.5176, 24.7320 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, 119) }
```

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

```
.background{ background-color: rgb(0, 204,  
119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor