

# Converting Colors

XYZ(24.7670, 47.4365, 14.7221)

Have a look what the booklet for  
XYZ(24.7670, 47.4365, 14.7221)  
contains.

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# Color

**XYZ(24.8480, 47.6088,  
14.7173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D44C
RGB	0, 212, 76
RGB Percent	0%, 83%, 30%
CMY	1.0000, 0.1686, 0.7019
CMYK	1.00, 0.00, 0.64, 0.17
HSL	142°, 100%, 42%
HSV	142°, 100%, 83%
XYZ	24.8480, 47.6088, 14.7173
YIQ	133.1080, -82.6960, -87.2400

# Conversions

## Conversions Part 2

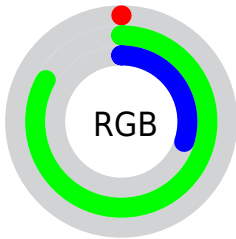
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 156, 212
Decimal	54348
CIELab	74.58, -70.71, 53.53
CIELCh	75, 88.687, 142.875
Yxy	47.6088, 0.2850, 0.5461
Android (android.graphics.Color)	4278244428 (0xFF00D44C)
YUV	133.1080, -28.1542, -116.7357
Hunter-Lab	68.9991, -56.4670, 35.6530

# Details

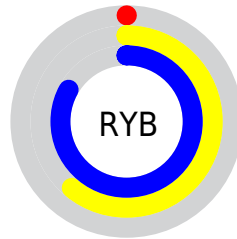
The XYZ color **24.8480, 47.6088, 14.7173** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **31.5967, 15.7754, 24.6736**, and the grayscale version is **22.4560, 23.6254, 25.7281**.

A 20% lighter version of the original color is **45.6150, 76.1350, 33.4105**, and **11.9820, 23.8143, 4.4553** is the 20% darker color. If you saturate the color by 10%, you get **24.8490, 47.6107, 14.7179**, and if you desaturate by 10%, it is **25.6867, 47.9820, 17.4925**.

# Distribution



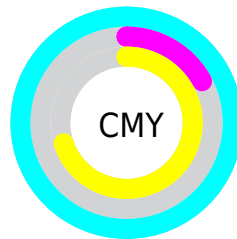
- Red (0%)
- Green (83%)
- Blue (30%)



- Red (0%)
- Yellow (61%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (17%)




- Cyan (100%)
- Magenta (17%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8480, 47.6088, 14.7173 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 24.8480, 47.6088, 14.7173 by changing the saturation by 10% instead.





 24.8480, 47.6088,  
14.7173


 24.8480, 47.6088,  
14.7173


269.4417,  
377.2394, 233.2302


 16.0920, 33.5172,  
8.4768


 50.8552, 86.6217,  
35.0917


 9.6805, 22.5229,  
4.3094


 68.8371, 112.3117,  
50.0628


 5.2483, 14.2417,  
1.7966


 90.6250, 142.6367,  
68.7810

 2.4299, 8.2889,  
0.4257

 116.5842,  
177.9810, 91.6651

 0.8601, 4.2804,  
0.0000

 147.0801,  
218.7290, 119.1335

 0.0000, 1.8316,  
0.0000

182.4781,

 0.0000, 0.5068,

265.2652, 151.6048

0.0000

223.1436,  
317.9738, 189.4975

■ 0.0000, 0.0000,  
0.0000

■ 24.8480, 47.6088,  
14.7173

■ 24.8480, 47.6088,  
14.7173

■ 24.8490, 47.6107,  
14.7179

■ 25.6867, 47.9820,  
17.4925

■ 26.9744, 48.5731,  
20.8398

■ 28.8327, 49.4454,  
24.7939

■ 31.3297, 50.6337,  
29.3840

■ 34.5235, 52.1672,  
34.6375

■ 38.4653, 54.0718,  
40.5797

■ 43.2013, 56.3709,  
47.2348

■ 48.7738, 59.0858,  
54.6258

■ 55.2220, 62.2363,  
62.7745

# Harmonies

## Analogous

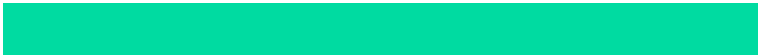
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.2910, 47.6088, 5.6179



24.8480, 47.6088, 14.7173



21.0307, 47.6088, 41.6372

# Triad

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



24.8480, 47.6088, 14.7173



41.5326, 47.6088, 198.1285



80.0239, 47.6088, 24.5287

# Complementary

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



24.8480, 47.6088, 14.7173



31.5967, 15.7754, 24.6736

# 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.



83.2650, 47.6088, 63.5818



24.8480, 47.6088, 14.7173



58.3274, 47.6088, 183.2081

# Square

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



24.8480, 47.6088, 14.7173



29.0739, 47.6088, 158.9490



74.5597, 47.6088, 125.4984



66.5310, 47.6088, 8.4938

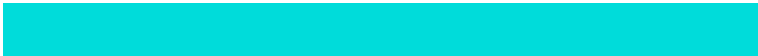


# Rectangle

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



24.8480, 47.6088, 14.7173



21.3546, 47.6088, 74.1117



74.5597, 47.6088, 125.4984



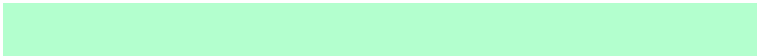
82.4610, 47.6088, 34.5443

# Sweetspot

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



24.8491, 47.6108, 14.7184



65.3665, 85.4968, 71.4018



33.9933, 52.4754, 8.3373



13.3063, 17.9671, 14.3355



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.



24.8491, 47.6108, 14.7184



37.6663, 72.2825, 21.9584



31.8035, 50.3925, 51.3395



12.4445, 13.9688, 14.1553



15.3836, 29.4088, 9.3157



0.9668, 1.7894, 0.7668



# Inverse Universe

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



31.5967, 15.7754, 24.6736



47.9034, 23.9254, 37.0189



27.4106, 14.1009, 2.6297



12.7553, 12.5536, 14.6515



19.5548, 9.7582, 15.4913

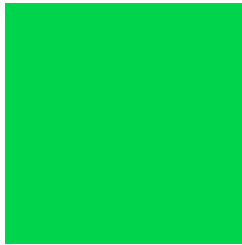


1.2183, 0.6041, 1.1391



# Previews

## White Background



This preview shows how the XYZ color 24.8480, 47.6088, 14.7173 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 24.8480, 47.6088, 14.7173 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 24.8480, 47.6088, 14.7173**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.8480, 47.6088, 14.7173.



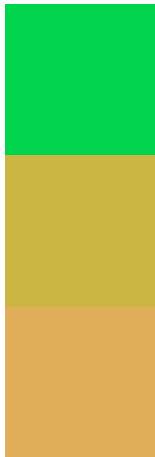
This preview shows how white text looks on a background with the XYZ color 24.8480, 47.6088,



# 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

24.8480, 47.6088, 14.7173

### Protanopia

42.3999, 46.5698, 12.2230

### Deuteranopia

47.4455, 46.4390, 15.6955



## Tritanopia

36.2061, 47.2258, 71.4972

# Trichromacy



## Original Color

24.8480, 47.6088, 14.7173



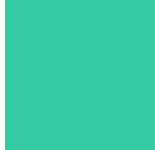
## Protanomaly

29.2606, 43.2620, 12.7694



## Deuteranomaly

30.6982, 42.0204, 14.8803



## Tritanomaly

29.5781, 46.1765, 42.4760

# Monochromacy



## Original Color

24.8480, 47.6088, 14.7173



## Achromatopsia

22.2940, 23.4551, 25.5426



## Achromatomaly

19.5913, 28.9418, 19.8830

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.8480, 47.6088, 14.7173 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, 212, 76)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 76)  
}
```

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, 212, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 76) }
```

## Border

The CSS property to change the border of an element to XYZ 24.8480, 47.6088, 14.7173 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, 212, 76) }
```



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

```
.border{ border-color:rgb(0, 212, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 76);  
box-shadow:4px 4px 4px 4px rgb(0, 212, 76)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 24.8480, 47.6088, 14.7173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 76) }
```

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

```
.background{ background-color: rgb(0, 212,  
76) }
```

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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