

# Converting Colors

XYZ(24.2316, 45.2190, 18.0787)

Have a look what the booklet for  
XYZ(24.2316, 45.2190, 18.0787)  
contains.

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# Color

**XYZ(24.3332, 45.4338,  
18.0768)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CF5E
RGB	0, 207, 94
RGB Percent	0%, 81%, 37%
CMY	1.0000, 0.1882, 0.6314
CMYK	1.00, 0.00, 0.55, 0.19
HSL	147°, 100%, 41%
HSV	147°, 100%, 81%
XYZ	24.3332, 45.4338, 18.0768
YIQ	132.2250, -87.0990, -79.0270

# Conversions

## Conversions Part 2

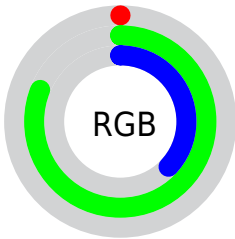
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 142, 207
Decimal	53086
CIELab	73.18, -66.90, 43.83
CIElCh	73, 79.977, 146.767
Yxy	45.4338, 0.2770, 0.5172
Android (android.graphics.Color)	4278243166 (0xFF00CF5E)
YUV	132.2250, -18.8449, -115.9613
Hunter-Lab	67.4046, -53.5192, 31.2826

# Details

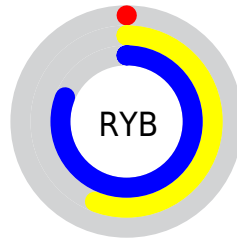
The XYZ color **24.3332, 45.4338, 18.0768** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **28.7143, 14.4585, 16.9026**, and the grayscale version is **22.1034, 23.2545, 25.3241**.

A 20% lighter version of the original color is **46.6200, 76.5101, 39.9146**, and **11.5027, 22.3076, 5.9851** is the 20% darker color. If you saturate the color by 10%, you get **24.3340, 45.4355, 18.0768**, and if you desaturate by 10%, it is **25.1822, 45.8098, 20.9615**.

# Distribution



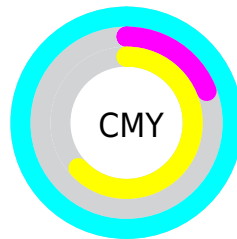
- Red (0%)
- Green (81%)
- Blue (37%)



- Red (0%)
- Yellow (56%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (19%)




- Cyan (100%)
- Magenta (19%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3332, 45.4338, 18.0768 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 24.3332, 45.4338, 18.0768 by changing the saturation by 10% instead.





 24.3332, 45.4338,  
18.0768


 24.3332, 45.4338,  
18.0768


266.9100,  
368.5276, 253.5542


 15.7070, 31.7993,  
10.8351


 50.0241, 83.3710,  
40.9839


 9.4066, 21.2082,  
5.8433


 67.8196, 108.4424,  
57.4863


 5.0666, 13.2763,  
2.6828


 89.4022, 138.0949,  
77.9128

 2.3215, 7.6191,  
0.9347

 115.1373,  
172.7129, 102.6818

 0.8056, 3.8522,  
0.0000

 145.3903,  
212.6808, 132.2119

 0.0000, 1.5912,  
0.0000

180.5265,

 0.0000, 0.3517,

258.3830, 166.9217

0.0000

220.9113,  
310.2038, 207.2296

■ 0.0000, 0.0000,  
0.0000

■ 24.3332, 45.4338,  
18.0768

■ 24.3332, 45.4338,  
18.0768

■ 24.3340, 45.4355,  
18.0768

■ 25.1822, 45.8098,  
20.9615

■ 26.4322, 46.3823,  
24.2674

■ 28.1971, 47.2110,  
28.0157

■ 30.5394, 48.3278,  
32.2233

■ 33.5117, 49.7595,  
36.9064

■ 37.1606, 51.5299,  
42.0798

■ 41.5281, 53.6602,  
47.7579

■ 46.6525, 56.1702,  
53.9544

■ 52.5696, 59.0777,  
60.6825

# Harmonies

## Analogous

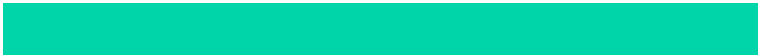
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.1459, 45.4338, 7.5996



24.3332, 45.4338, 18.0768



21.4748, 45.4338, 45.2425

# Triad

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



24.3332, 45.4338, 18.0768



41.6811, 45.4338, 173.5013



71.9980, 45.4338, 22.2114

# Complementary

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



24.3332, 45.4338, 18.0768



28.7143, 14.4585, 16.9026

# 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.



76.0734, 45.4338, 53.9523



24.3332, 45.4338, 18.0768



56.4961, 45.4338, 155.3614

# Square

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



24.3332, 45.4338, 18.0768



30.0313, 45.4338, 146.2106



69.8816, 45.4338, 104.9842



59.7046, 45.4338, 8.9181

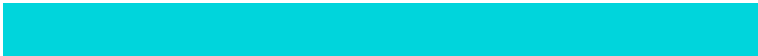


# Rectangle

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



24.3332, 45.4338, 18.0768



22.1746, 45.4338, 75.2486



69.8816, 45.4338, 104.9842



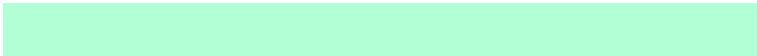
74.4757, 45.4338, 30.3744

# Sweetspot

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



24.3343, 45.4356, 18.0778



66.2755, 85.8604, 76.1890



29.2344, 48.1951, 7.7620



13.5194, 18.0523, 15.4577



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.



24.3343, 45.4356, 18.0778



38.9004, 72.7762, 28.4571



32.3522, 48.6428, 60.2994



11.8763, 13.2943, 13.7051



15.3774, 28.6439, 11.6334



0.8996, 1.6175, 0.8599



# Inverse Universe

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



28.7143, 14.4585, 16.9026



45.9153, 23.1301, 26.5497



25.7900, 13.2888, 1.5032



12.0748, 11.9147, 13.6699



18.1388, 9.1283, 10.9028

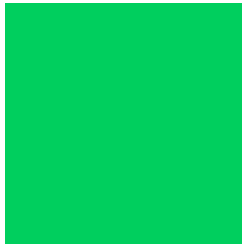


1.0540, 0.5263, 0.8190



# Previews

## White Background



This preview shows how the XYZ color 24.3332, 45.4338, 18.0768 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

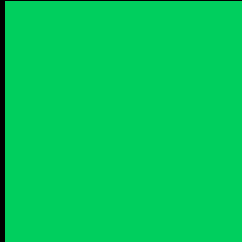
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.3332, 45.4338, 18.0768 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

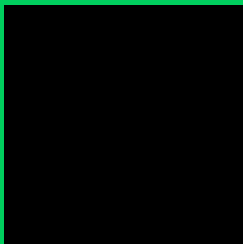
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

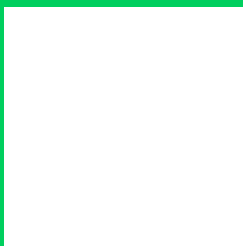
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 24.3332, 45.4338, 18.0768**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.3332, 45.4338, 18.0768.



This preview shows how white text looks on a background with the XYZ color 24.3332, 45.4338,



# 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

24.3332, 45.4338, 18.0768

### Protanopia

40.5860, 44.3670, 15.0189

### Deuteranopia

45.4887, 44.5006, 19.2887



## Tritanopia

34.5413, 45.4327, 67.9216

# Trichromacy



## Original Color

24.3332, 45.4338, 18.0768



## Protanomaly

28.4165, 41.4597, 15.7373



## Deuteranomaly

29.7150, 40.1903, 18.2480



## Tritanomaly

28.9075, 44.4041, 44.0930

# Monochromacy



## Original Color

24.3332, 45.4338, 18.0768



## Achromatopsia

21.9318, 23.0740, 25.1276



## Achromatomaly

19.3243, 27.9891, 21.5235

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.3332, 45.4338, 18.0768 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, 207, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 94)  
}
```

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, 207, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 24.3332, 45.4338, 18.0768 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, 207, 94) }
```



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

```
.border{ border-color:rgb(0, 207, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 207, 94)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 24.3332, 45.4338, 18.0768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 94) }
```

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

```
.background{ background-color: rgb(0, 207,  
94) }
```

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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