

# Converting Colors

XYZ(24.4387, 44.9726, 20.1845)

Have a look what the booklet for  
XYZ(24.4387, 44.9726, 20.1845)  
contains.

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# Color

**XYZ(24.5195, 45.1219,  
20.2491)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CE67
RGB	0, 206, 103
RGB Percent	0%, 81%, 40%
CMY	1.0000, 0.1921, 0.5961
CMYK	1.00, 0.00, 0.50, 0.19
HSL	150°, 100%, 40%
HSV	150°, 100%, 81%
XYZ	24.5195, 45.1219, 20.2491
YIQ	132.6640, -89.7130, -75.7050

# Conversions

## Conversions Part 2

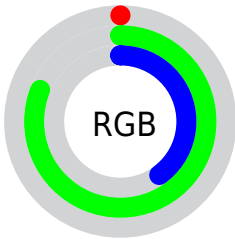
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 137, 206
Decimal	52839
CIELab	72.97, -65.21, 39.24
CIELCh	73, 76.104, 148.961
Yxy	45.1219, 0.2728, 0.5020
Android (android.graphics.Color)	4278242919 (0xFF00CE67)
YUV	132.6640, -14.6244, -116.3463
Hunter-Lab	67.1728, -52.3962, 29.1481

# Details

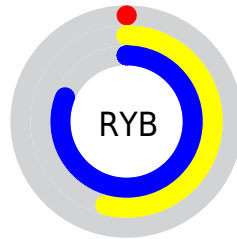
The XYZ color **24.5195, 45.1219, 20.2491** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **27.9034, 14.1020, 14.0861**, and the grayscale version is **22.2487, 23.4074, 25.4907**.

A 20% lighter version of the original color is **47.2402, 76.7451, 43.7760**, and **11.5490, 22.0697, 7.0194** is the 20% darker color. If you saturate the color by 10%, you get **24.5202, 45.1236, 20.2488**, and if you desaturate by 10%, it is **25.3710, 45.4986, 23.1575**.

# Distribution



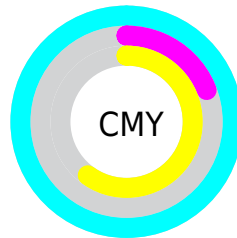
- Red (0%)
- Green (81%)
- Blue (40%)



- Red (0%)
- Yellow (54%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (19%)




- Cyan (100%)
- Magenta (19%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5195, 45.1219, 20.2491 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 24.5195, 45.1219, 20.2491 by changing the saturation by 10% instead.





 24.5195, 45.1219,  
20.2491


 24.5195, 45.1219,  
20.2491


267.8285,  
367.2670, 265.9092


 15.8462, 31.5535,  
12.3904


 50.3252, 82.9033,  
44.6989


 9.5056, 21.0207,  
6.8844


 68.1883, 107.8851,  
62.1270


 5.1321, 13.1391,  
3.3125


 89.8454, 137.4400,  
83.5820

 2.3605, 7.5244,  
1.2563

 115.6619,  
171.9526, 109.4824

 0.8254, 3.7922,  
0.0256

 146.0031,  
211.8072, 140.2468

 0.0000, 1.5580,  
0.0000

181.2343,

 0.0000, 0.3290,

257.3882, 176.2937

0.0000

221.7210,  
309.0800, 218.0417

■ 0.0000, 0.0000,  
0.0000

■ 24.5195, 45.1219,  
20.2491

■ 24.5195, 45.1219,  
20.2491

■ 24.5202, 45.1236,  
20.2488

■ 25.3710, 45.4986,  
23.1575

■ 26.6081, 46.0653,  
26.4269

■ 28.3434, 46.8809,  
30.0745

■ 30.6375, 47.9766,  
34.1135

■ 33.5420, 49.3786,  
38.5564

■ 37.1023, 51.1101,  
43.4147

■ 41.3593, 53.1921,  
48.6998

■ 46.3504, 55.6436,  
54.4222

■ 52.1102, 58.4823,  
60.5922

# Harmonies

## Analogous

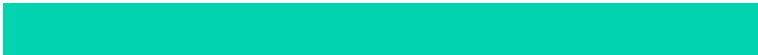
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.6739, 45.1219, 8.9049



24.5195, 45.1219, 20.2491



22.0891, 45.1219, 47.8160

# Triad

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



24.5195, 45.1219, 20.2491



42.4257, 45.1219, 164.5012



69.3296, 45.1219, 21.5478

# Complementary

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



24.5195, 45.1219, 20.2491



27.9034, 14.1020, 14.0861

# 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.



73.8150, 45.1219, 50.4680



24.5195, 45.1219, 20.2491



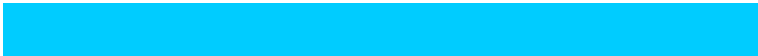
56.4760, 45.1219, 144.8977

# Square

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



24.5195, 45.1219, 20.2491



31.0232, 45.1219, 142.1879



68.6938, 45.1219, 97.3005



57.4449, 45.1219, 9.3363



# Rectangle

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



24.5195, 45.1219, 20.2491



22.9886, 45.1219, 76.9250



68.6938, 45.1219, 97.3005



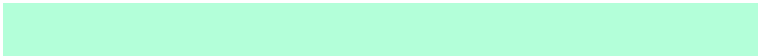
71.8491, 45.1219, 28.9951

# Sweetspot

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



24.5206, 45.1237, 20.2501



66.7267, 86.0409, 78.5650



28.0685, 47.2356, 7.6383



13.6258, 18.0949, 16.0179



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.



24.5206, 45.1237, 20.2501



39.6231, 73.0653, 32.2630



32.8006, 48.4357, 63.8521



11.2980, 12.6290, 13.1269



15.1472, 27.8042, 12.7261



0.8197, 1.4497, 0.8583



# Inverse Universe

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



27.9034, 14.1020, 14.0861



45.1038, 22.8055, 22.2762



25.4736, 13.1301, 1.2906



11.4423, 11.3057, 12.8640



17.2302, 8.7026, 8.9306

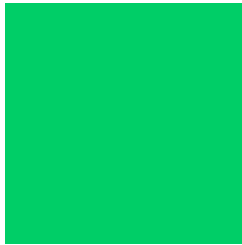


0.9272, 0.4643, 0.6625



# Previews

## White Background



This preview shows how the XYZ color 24.5195, 45.1219, 20.2491 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 24.5195, 45.1219, 20.2491 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 24.5195, 45.1219, 20.2491

## Background



This preview shows how black text looks on a background with the XYZ color 24.5195, 45.1219, 20.2491.



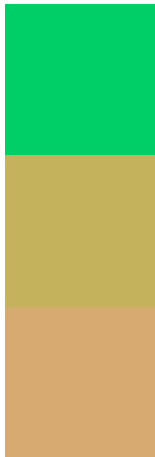
This preview shows how white text looks on a background with the XYZ color 24.5195, 45.1219,



# 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

24.5195, 45.1219, 20.2491

### Protanopia

40.6611, 44.3669, 16.7765

### Deuteranopia

45.0309, 44.2154, 21.4903



## Tritanopia

34.1491, 44.8990, 67.8393

# Trichromacy



## Original Color

24.5195, 45.1219, 20.2491



## Protanomaly

28.5983, 41.1895, 17.7523



## Deuteranomaly

29.8471, 40.2053, 20.6553



## Tritanomaly

28.8602, 44.0066, 45.5011

# Monochromacy



## Original Color

24.5195, 45.1219, 20.2491



## Achromatopsia

22.2940, 23.4551, 25.5426



## Achromatomaly

19.8300, 28.4780, 22.8640

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.5195, 45.1219, 20.2491 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, 206, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 103)  
}
```

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, 206, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 103) }
```

## Border

The CSS property to change the border of an element to XYZ 24.5195, 45.1219, 20.2491 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, 206, 103) }
```



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

```
.border{ border-color:rgb(0, 206, 103) }
```

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

Here you see how a box with a 4 pixel rgb(0, 206, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
103) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.5195, 45.1219, 20.2491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 103) }
```

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

```
.background{ background-color: rgb(0, 206,  
103) }
```

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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