

# Converting Colors

XYZ(24.0072, 44.2562, 15.1801)

Have a look what the booklet for  
XYZ(24.0072, 44.2562, 15.1801)  
contains.

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# Color

**XYZ(24.0303, 44.2663,  
15.2604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29CC52
RGB	41, 204, 82
RGB Percent	16%, 80%, 32%
CMY	0.8392, 0.2000, 0.6784
CMYK	0.80, 0.00, 0.60, 0.20
HSL	135°, 67%, 48%
HSV	135°, 80%, 80%
XYZ	24.0303, 44.2663, 15.2604
YIQ	141.3550, -57.9860, -72.4980

# Conversions

## Conversions Part 2

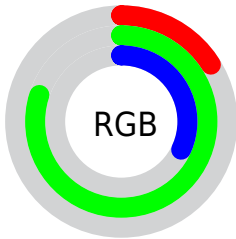
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 171, 204
Decimal	2739282
CIELab	72.41, -64.90, 48.54
CIElCh	72, 81.041, 143.208
Yxy	44.2663, 0.2876, 0.5298
Android (android.graphics.Color)	4280929362 (0xFF29CC52)
YUV	141.3550, -29.2620, -88.0113
Hunter-Lab	66.5329, -51.9622, 32.9739

# Details

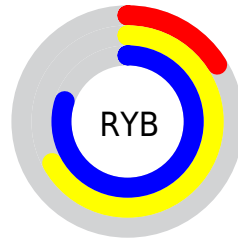
The XYZ color **24.0303, 44.2663, 15.2604** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark muted green. A complement of this color would be **32.3069, 17.0683, 36.2430**, and the grayscale version is **25.5857, 26.9181, 29.3138**.

A 20% lighter version of the original color is **47.2034, 76.9141, 35.2797**, and **10.7995, 21.2636, 4.6337** is the 20% darker color. If you saturate the color by 10%, you get **22.8998, 43.7446, 12.5052**, and if you desaturate by 10%, it is **25.7134, 45.0605, 18.7183**.

# Distribution



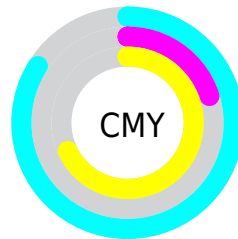
- Red (16%)
- Green (80%)
- Blue (32%)



- Red (16%)
- Yellow (67%)
- Blue (80%)



- Cyan (80%)
- Magenta (0%)
- Yellow (60%)
- Black (20%)




- Cyan (84%)
- Magenta (20%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0303, 44.2663, 15.2604 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 24.0303, 44.2663, 15.2604 by changing the saturation by 10% instead.





 24.0303, 44.2663,  
15.2604


 24.0303, 44.2663,  
15.2604


265.4113,  
363.7939, 236.6318


 15.4810, 30.8799,  
8.8537

 49.5340, 81.6183,  
36.0581


 9.2461, 20.5074,  
4.5504


 67.2190, 106.3527,  
51.2862


 4.9605, 12.7644,  
1.9319


 88.6799, 135.6386,  
70.2918

 2.2586, 7.2665,  
0.5129

 114.2822,  
169.8604, 93.4935

 0.7734, 3.6293,  
0.0000

 144.3911,  
209.4024, 121.3098

 0.0000, 1.4685,  
0.0000

179.3720,

 0.0000, 0.2664,

254.6490, 154.1592

0.0000

219.5903,  
305.9847, 192.4604

■ 0.0000, 0.0000,  
0.0000

■ 24.0303, 44.2663,  
15.2604

■ 24.0303, 44.2663,  
15.2604

■ 22.8998, 43.7446,  
12.5052

■ 25.7134, 45.0605,  
18.7183

■ 22.2041, 43.4319,  
10.3990


■ 28.0111, 46.1544,  
22.9201


■ 22.1982, 43.4292,  
10.3812

■ 30.9801, 47.5776,  
27.9072


■ 34.6694, 49.3547,  
33.7171

■ 39.1236, 51.5080,  
40.3850

 44.3835, 54.0577,  
47.9437

 50.4870, 57.0228,  
56.4245

 57.4694, 60.4208,  
65.8572

 65.3641, 64.2684,  
76.2702

# Harmonies

## Analogous

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



32.3573, 44.2663, 6.4443



24.0303, 44.2663, 15.2604



20.6513, 44.2663, 39.6660

# Triad

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



24.0303, 44.2663, 15.2604



38.9782, 44.2663, 171.9325



71.8818, 44.2663, 23.8073

# Complementary

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



24.0303, 44.2663, 15.2604



32.3069, 17.0683, 36.2430

# 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.



74.7543, 44.2663, 57.8744



24.0303, 44.2663, 15.2604



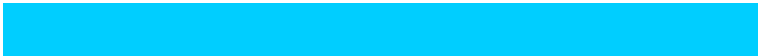
53.5633, 44.2663, 159.0069

# Square

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



24.0303, 44.2663, 15.2604



27.9576, 44.2663, 139.6968



67.4395, 44.2663, 110.4597



60.2855, 44.2663, 9.1260

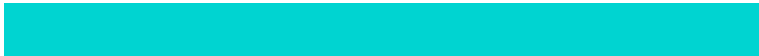


# Rectangle

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



24.0303, 44.2663, 15.2604



20.9776, 44.2663, 67.9842



67.4395, 44.2663, 110.4597



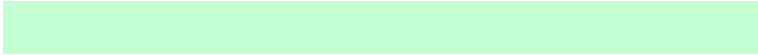
73.9916, 44.2663, 32.6805

# Sweetspot

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



24.0314, 44.2681, 15.2614



69.4895, 87.5760, 73.6892



37.1501, 51.1608, 10.0150



14.2136, 18.4250, 14.8197



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.



24.0314, 44.2681, 15.2614



37.0501, 72.0508, 18.0473



29.1418, 46.3123, 42.1726



11.1819, 12.5825, 12.5152



14.0033, 27.3466, 6.7022



0.7538, 1.4234, 0.5113



# Inverse Universe

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



32.3069, 17.0683, 36.2430



51.0236, 25.3506, 52.9036



27.2094, 15.0293, 9.4002



11.5623, 11.3536, 13.4956



19.3152, 9.5367, 19.9104

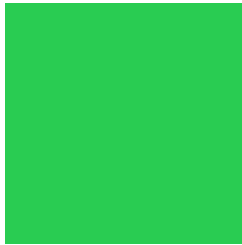


1.0258, 0.5037, 1.1816



# Previews

## White Background



This preview shows how the XYZ color 24.0303, 44.2663, 15.2604 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 24.0303, 44.2663, 15.2604 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 24.0303, 44.2663, 15.2604**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.0303, 44.2663, 15.2604.



This preview shows how white text looks on a background with the XYZ color 24.0303, 44.2663,



# 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

24.0303, 44.2663, 15.2604

### Protanopia

39.5263, 43.2808, 12.7493

### Deuteranopia

44.2533, 43.3769, 16.1654



## Tritanopia

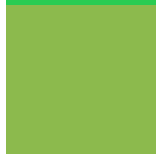
34.0131, 43.8904, 65.7105

# Trichromacy



## Original Color

24.0303, 44.2663, 15.2604



## Protanomaly

29.7137, 41.2291, 13.4131



## Deuteranomaly

31.2342, 40.4277, 15.3896



## Tritanomaly

28.9340, 43.4662, 41.0473

# Monochromacy



## Original Color

24.0303, 44.2663, 15.2604



## Achromatopsia

25.3171, 26.6356, 29.0061



## Achromatomaly

22.4913, 30.9102, 22.5502

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.0303, 44.2663, 15.2604 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(41, 204, 82)` looks like.

```
.text, #text, p{  
    color:rgb(41, 204, 82)  
}
```

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(41, 204, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 204, 82) }
```

## Border

The CSS property to change the border of an element to XYZ 24.0303, 44.2663, 15.2604 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(41, 204, 82) }
```



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

```
.border{ border-color:rgb(41, 204, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 204, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 204, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 204, 82);  
box-shadow:4px 4px 4px 4px rgb(41, 204,  
82) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.0303, 44.2663, 15.2604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 204, 82) }
```

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

```
.background{ background-color: rgb(41, 204,  
82) }
```

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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