

Converting Colors

XYZ(24.8433, 48.4929, 11.9612)

Have a look what the booklet for
XYZ(24.8433, 48.4929, 11.9612)
contains.

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Color

**XYZ(24.7851, 48.3885,
11.9045)**

Conversions

Conversions Part 1

Format	Color
Hex	00D639
RGB	0, 214, 57
RGB Percent	0%, 84%, 22%
CMY	1.0000, 0.1608, 0.7764
CMYK	1.00, 0.00, 0.73, 0.16
HSL	136°, 100%, 42%
HSV	136°, 100%, 84%
XYZ	24.7851, 48.3885, 11.9045
YIQ	132.1160, -77.1470, -94.1950

Conversions

Conversions Part 2

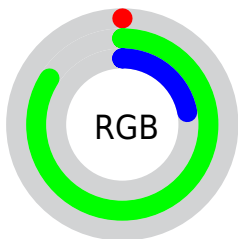
Format	Color
RYB	0, 169, 214
Decimal	54841
CIELab	75.07, -73.10, 61.38
CIELCh	75, 95.454, 139.981
Yxy	48.3885, 0.2913, 0.5688
Android (android.graphics.Color)	4278244921 (0xFF00D639)
YUV	132.1160, -37.0322, -115.8657
Hunter-Lab	69.5618, -58.1331, 38.5467

Details

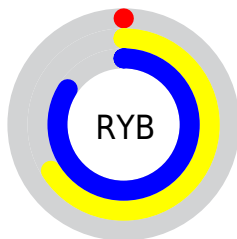
The XYZ color **24.7851, 48.3885, 11.9045** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **33.8189, 16.7313, 33.3474**, and the grayscale version is **22.1251, 23.2774, 25.3491**.

A 20% lighter version of the original color is **44.8040, 75.8381, 27.8996**, and **12.0570, 24.1139, 4.0190** is the 20% darker color. If you saturate the color by 10%, you get **24.7860, 48.3904, 11.9049**, and if you desaturate by 10%, it is **25.5583, 48.7360, 14.3123**.

Distribution



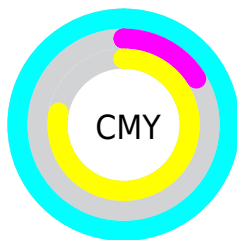
- Red (0%)
- Green (84%)
- Blue (22%)



- Red (0%)
- Yellow (66%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (16%)



- Cyan (100%)
- Magenta (16%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7851, 48.3885, 11.9045 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 24.7851, 48.3885, 11.9045 by changing the saturation by 10% instead.

■ 24.7851, 48.3885,
11.9045

■ 24.7851, 48.3885,
11.9045

269.1335,
380.3300, 214.7275

■ 16.0449, 34.1346,
6.5569

■ 50.7538, 87.7826,
29.9828

■ 9.6470, 22.9971,
3.1124

■ 68.7130, 113.6916,
43.5507

■ 5.2260, 14.5913,
1.1523

■ 90.4759, 144.2544,
60.6957

■ 2.4166, 8.5331,
0.0000

■ 116.4078,
179.8555, 81.8365

■ 0.8534, 4.4379,
0.0000

■ 146.8742,
220.8792, 107.3915

■ 0.0000, 1.9214,
0.0000

182.2404,

■ 0.0000, 0.5612,

267.7099, 137.7793

0.0000

222.8717,
320.7320, 173.4184

■ 0.0000, 0.0000,
0.0000

■ 24.7851, 48.3885,
11.9045

■ 24.7851, 48.3885,
11.9045

■ 24.7860, 48.3904,
11.9049

■ 25.5583, 48.7360,
14.3123

■ 26.8140, 49.3158,
17.4267

■ 28.6795, 50.1936,
21.3019

■ 31.2277, 51.4063,
25.9845

■ 34.5209, 52.9849,
31.5171

■ 38.6140, 54.9571,
37.9392

■ 43.5567, 57.3476,
45.2881

■ 49.3943, 60.1791,
53.5986

■ 56.1692, 63.4727,
62.9038

Harmonies

Analogous

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



35.4534, 48.3885, 4.1501



24.7851, 48.3885, 11.9045



20.2322, 48.3885, 37.6749

Triad

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



24.7851, 48.3885, 11.9045



40.3979, 48.3885, 215.2621



85.2791, 48.3885, 26.2013

Complementary

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



24.7851, 48.3885, 11.9045



33.8189, 16.7313, 33.3474

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.



87.5751, 48.3885, 71.2353



24.7851, 48.3885, 11.9045



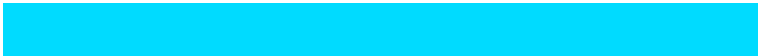
58.4355, 48.3885, 204.4134

Square

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



24.7851, 48.3885, 11.9045



27.6144, 48.3885, 165.8515



76.7686, 48.3885, 141.7800



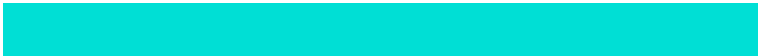
71.1167, 48.3885, 8.0423

Rectangle

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



24.7851, 48.3885, 11.9045



20.2299, 48.3885, 71.1568



76.7686, 48.3885, 141.7800



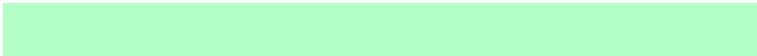
87.5812, 48.3885, 37.7263

Sweetspot

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



24.7862, 48.3905, 11.9056



64.5295, 85.1620, 66.9943



38.6458, 55.6207, 8.6992



13.1117, 17.8892, 13.3106



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.



24.7862, 48.3905, 11.9056



36.8010, 71.9364, 17.4016



30.4370, 50.6508, 41.6619



12.3969, 13.9498, 13.9045



15.0181, 29.2626, 7.3908



0.9403, 1.7788, 0.6272

Inverse Universe

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



33.8189, 16.7313, 33.3474



50.2182, 24.8513, 49.2084



28.3870, 14.5586, 4.7434



12.8053, 12.5736, 14.9147



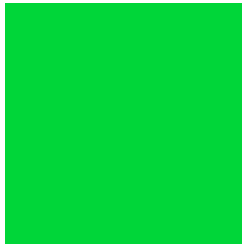
20.4856, 10.1306, 20.3929



1.2690, 0.6244, 1.4062

Previews

White Background



This preview shows how the XYZ color 24.7851, 48.3885, 11.9045 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 24.7851, 48.3885, 11.9045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

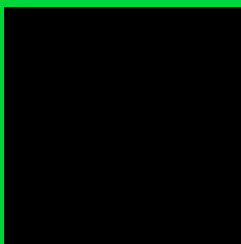
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

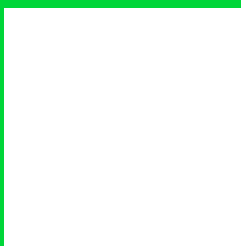
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7851, 48.3885, 11.9045

Background



This preview shows how black text looks on a background with the XYZ color 24.7851, 48.3885, 11.9045.



This preview shows how white text looks on a background with the XYZ color 24.7851, 48.3885,

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

24.7851, 48.3885, 11.9045

Protanopia

43.1485, 47.6245, 9.8240

Deuteranopia

48.3007, 47.2340, 12.7022



Tritanopia

37.0734, 48.3411, 72.3425

Trichromacy



Original Color

24.7851, 48.3885, 11.9045



Protanomaly

29.4950, 44.1034, 10.2071



Deuteranomaly

30.8878, 42.8202, 11.9474



Tritanomaly

29.6338, 46.9720, 39.8524

Monochromacy



Original Color

24.7851, 48.3885, 11.9045



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.1263, 28.7454, 17.9050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7851, 48.3885, 11.9045 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, 214, 57)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 57)  
}
```

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, 214, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 57) }
```

Border

The CSS property to change the border of an element to XYZ 24.7851, 48.3885, 11.9045 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, 214, 57) }
```


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

```
.border{ border-color:rgb(0, 214, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 57);  
box-shadow:4px 4px 4px 4px rgb(0, 214, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.7851, 48.3885, 11.9045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 57) }
```

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

```
.background{ background-color: rgb(0, 214,  
57) }
```

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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