

Converting Colors

XYZ(25.2473, 48.6545, 14.0885)

Have a look what the booklet for
XYZ(25.2473, 48.6545, 14.0885)
contains.

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Color

**XYZ(25.1839, 48.5481,
14.0046)**

Conversions

Conversions Part 1

Format	Color
Hex	00D647
RGB	0, 214, 71
RGB Percent	0%, 84%, 28%
CMY	1.0000, 0.1608, 0.7216
CMYK	1.00, 0.00, 0.67, 0.16
HSL	140°, 100%, 42%
HSV	140°, 100%, 84%
XYZ	25.1839, 48.5481, 14.0046
YIQ	133.7120, -81.6410, -89.8410

Conversions

Conversions Part 2

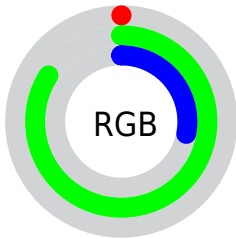
Format	Color
RYB	0, 161, 214
Decimal	54855
CIELab	75.17, -71.83, 56.23
CIELCh	75, 91.222, 141.944
Yxy	48.5481, 0.2870, 0.5533
Android (android.graphics.Color)	4278244935 (0xFF00D647)
YUV	133.7120, -30.9170, -117.2654
Hunter-Lab	69.6765, -57.4167, 36.8566

Details

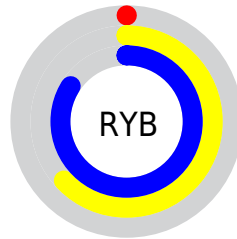
The XYZ color **25.1839, 48.5481, 14.0046** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **32.6909, 16.2801, 27.4072**, and the grayscale version is **22.6868, 23.8683, 25.9926**.

A 20% lighter version of the original color is **45.4055, 76.0648, 31.6909**, and **12.0679, 24.1183, 4.0767** is the 20% darker color. If you saturate the color by 10%, you get **25.1849, 48.5500, 14.0053**, and if you desaturate by 10%, it is **26.0173, 48.9197, 16.7291**.

Distribution



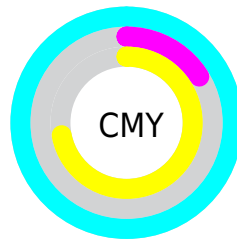
- Red (0%)
- Green (84%)
- Blue (28%)



- Red (0%)
- Yellow (63%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.1839, 48.5481, 14.0046 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 25.1839, 48.5481, 14.0046 by changing the saturation by 10% instead.


 25.1839, 48.5481,
14.0046


 25.1839, 48.5481,
14.0046


271.0833,
380.9606, 228.6889


 16.3436, 34.2611,
7.9851


 51.3962, 88.0199,
33.8144


 9.8600, 23.0943,
3.9978


 69.4988, 113.9736,
48.4418


 5.3678, 14.6631,
1.6241


 91.4196, 144.5849,
66.7756

 2.5016, 8.5833,
0.3079

 117.5239,
180.2383, 89.2343

 0.8961, 4.4704,
0.0000

 148.1771,
221.3182, 116.2364

 0.0000, 1.9400,
0.0000

183.7445,

 0.0000, 0.5723,

268.2089, 148.2005

0.0000

224.5914,
321.2949, 185.5452

■ 0.0000, 0.0000,
0.0000

■ 25.1839, 48.5481,
14.0046

■ 25.1839, 48.5481,
14.0046

■ 25.1849, 48.5500,
14.0053

■ 26.0173, 48.9197,
16.7291

■ 27.3168, 49.5169,
20.0745

■ 29.2071, 50.4047,
24.0810

■ 31.7589, 51.6188,
28.7825

■ 35.0322, 53.1894,
34.2108

■ 39.0800, 55.1435,
40.3954

■ 43.9504, 57.5051,
47.3641

■ 49.6871, 60.2962,
55.1435

■ 56.3309, 63.5374,
63.7587

Harmonies

Analogous

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



35.1466, 48.5481, 5.2029



25.1839, 48.5481, 14.0046



21.0790, 48.5481, 40.9836

Triad

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



25.1839, 48.5481, 14.0046



41.7850, 48.5481, 206.3704



82.8281, 48.5481, 25.3885

Complementary

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



25.1839, 48.5481, 14.0046



32.6909, 16.2801, 27.4072

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.



85.8339, 48.5481, 66.8356



25.1839, 48.5481, 14.0046



59.2238, 48.5481, 192.4178

Square

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



25.1839, 48.5481, 14.0046



29.0341, 48.5481, 163.4831



76.3529, 48.5481, 132.3060



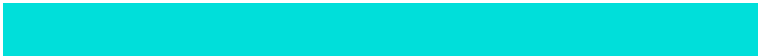
68.9219, 48.5481, 8.4651

Rectangle

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



25.1839, 48.5481, 14.0046



21.3043, 48.5481, 74.2854



76.3529, 48.5481, 132.3060



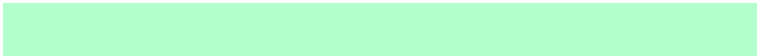
85.2626, 48.5481, 36.0107

Sweetspot

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



25.1851, 48.5501, 14.0057



65.1199, 85.3982, 70.1033



35.9438, 54.2278, 8.5727



13.2488, 17.9441, 14.0327



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.



25.1851, 48.5501, 14.0057



37.3840, 72.1696, 20.4718



31.7629, 51.1812, 48.6442



12.4306, 13.9633, 14.0822



15.2653, 29.3614, 8.6925



0.9585, 1.7861, 0.7234

Inverse Universe

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



32.6909, 16.2801, 27.4072



48.5333, 24.1773, 40.3358



28.1029, 14.4449, 3.2471



12.7697, 12.5594, 14.7275



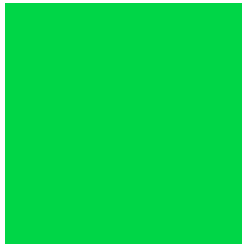
19.8086, 9.8598, 16.8281



1.2324, 0.6097, 1.2130

Previews

White Background



This preview shows how the XYZ color 25.1839, 48.5481, 14.0046 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 25.1839, 48.5481, 14.0046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

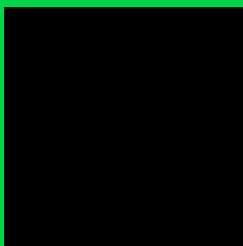
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

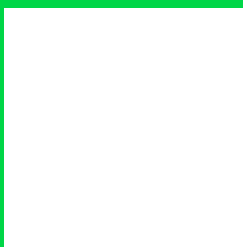
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.1839, 48.5481, 14.0046

Background



This preview shows how black text looks on a background with the XYZ color 25.1839, 48.5481, 14.0046.



This preview shows how white text looks on a background with the XYZ color 25.1839, 48.5481,

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

25.1839, 48.5481, 14.0046

Protanopia

43.2145, 47.6190, 11.6164

Deuteranopia

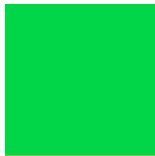
48.6088, 47.6309, 15.0192



Tritanopia

36.9794, 48.2927, 72.3381

Trichromacy



Original Color

25.1839, 48.5481, 14.0046



Protanomaly

29.7044, 44.1694, 12.1142



Deuteranomaly

31.1105, 42.8890, 14.0358



Tritanomaly

30.0177, 47.1192, 42.1632

Monochromacy



Original Color

25.1839, 48.5481, 14.0046



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

19.7127, 29.2734, 19.6503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1839, 48.5481, 14.0046 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, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 71) }
```

Border

The CSS property to change the border of an element to XYZ 25.1839, 48.5481, 14.0046 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, 71) }
```


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

```
.border{ border-color:rgb(0, 214, 71) }
```

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, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 214, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.1839, 48.5481, 14.0046 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, 71) }
```

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

```
.background{ background-color: rgb(0, 214,  
71) }
```

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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