

Converting Colors

XYZ(21.4083, 41.2408, 11.9919)

Have a look what the booklet for
XYZ(21.4083, 41.2408, 11.9919)
contains.

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Color

**XYZ(21.4068, 41.2402,
11.9862)**

Conversions

Conversions Part 1

Format	Color
Hex	00C742
RGB	0, 199, 66
RGB Percent	0%, 78%, 26%
CMY	1.0000, 0.2196, 0.7412
CMYK	1.00, 0.00, 0.67, 0.22
HSL	140°, 100%, 39%
HSV	140°, 100%, 78%
XYZ	21.4068, 41.2402, 11.9862
YIQ	124.3370, -75.9110, -83.5510

Conversions

Conversions Part 2

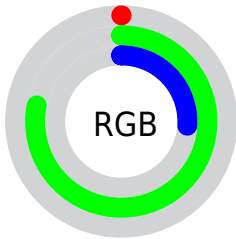
Format	Color
RYB	0, 149, 199
Decimal	51010
CIELab	70.34, -67.96, 53.02
CIELCh	70, 86.194, 142.042
Yxy	41.2402, 0.2868, 0.5526
Android (android.graphics.Color)	4278241090 (0xFF00C742)
YUV	124.3370, -28.7601, -109.0435
Hunter-Lab	64.2185, -52.8807, 33.8867

Details

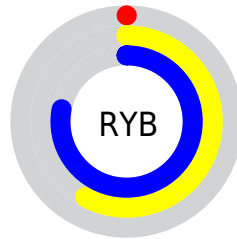
The XYZ color **21.4068, 41.2402, 11.9862** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **27.7880, 13.8362, 23.3974**, and the grayscale version is **19.3831, 20.3926, 22.2075**.

A 20% lighter version of the original color is **44.6297, 75.7008, 30.0288**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **21.4077, 41.2418, 11.9867**, and if you desaturate by 10%, it is **22.1332, 41.5651, 14.3118**.

Distribution



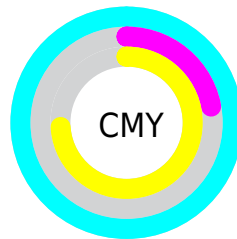
- Red (0%)
- Green (78%)
- Blue (26%)



- Red (0%)
- Yellow (58%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4068, 41.2402, 11.9862 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 21.4068, 41.2402, 11.9862 by changing the saturation by 10% instead.


 21.4068, 41.2402,
11.9862


 21.4068, 41.2402,
11.9862


252.1236,
351.3235, 215.2886


 13.5358, 28.5068,
6.6119


 45.2498, 77.0484,
30.1340

 7.8781, 18.7081,
3.1458

 61.9525, 100.8920,
43.7445


 4.0682, 11.4595,
1.1696


 82.3299, 129.2078,
60.9375

 1.7408, 6.3768,
0.0000

 106.7472,
162.3802, 82.1315

 0.4816, 3.0755,
0.0000

 135.5699,
200.7935, 107.7451

 0.0000, 1.1713,
0.0000

169.1633,

 0.0000, 0.0381,

244.8323, 138.1968

0.0000

207.8927,
294.8808, 173.9051

■ 0.0000, 0.0000,
0.0000

■ 21.4068, 41.2402,
11.9862

■ 21.4068, 41.2402,
11.9862

■ 21.4077, 41.2418,
11.9867

■ 22.1332, 41.5651,
14.3118

■ 23.2501, 42.0790,
17.1611

■ 24.8665, 42.8386,
20.5679

■ 27.0414, 43.8737,
24.5607

■ 29.8248, 45.2095,
29.1659

■ 33.2610, 46.8685,
34.4084

■ 37.3901, 48.8707,
40.3113

■ 42.2488, 51.2347,
46.8970

■ 47.8711, 53.9776,
54.1863

Harmonies

Analogous

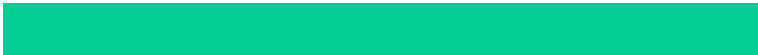
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.8394, 41.2402, 4.4662



21.4068, 41.2402, 11.9862



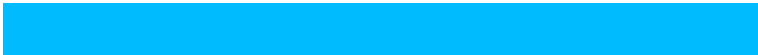
17.9391, 41.2402, 34.9481

Triad

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



21.4068, 41.2402, 11.9862



35.5469, 41.2402, 174.9099



70.2479, 41.2402, 21.5318

Complementary

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



21.4068, 41.2402, 11.9862



27.7880, 13.8362, 23.3974

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.



72.8291, 41.2402, 56.5901



21.4068, 41.2402, 11.9862



50.3325, 41.2402, 162.9394

Square

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



21.4068, 41.2402, 11.9862



24.7193, 41.2402, 138.7485



64.8307, 41.2402, 111.9907



58.4483, 41.2402, 7.2084

Rectangle

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



21.4068, 41.2402, 11.9862



18.1400, 41.2402, 63.2214



64.8307, 41.2402, 111.9907



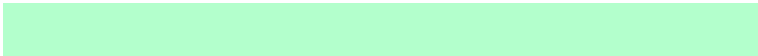
72.3208, 41.2402, 30.5173

Sweetspot

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



21.4078, 41.2419, 11.9871



65.1188, 85.3977, 70.0977



30.5755, 46.0816, 7.2833



13.2485, 17.9440, 14.0314



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.



21.4078, 41.2419, 11.9871



37.3828, 72.1691, 20.4656



26.9922, 43.4757, 41.3944



10.6401, 11.9449, 12.0551



13.8016, 26.5330, 7.8997



0.6872, 1.2698, 0.5516

Inverse Universe

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



27.7880, 13.8362, 23.3974



48.5361, 24.1784, 40.3507



23.8801, 12.2731, 2.8187



10.9278, 10.7545, 12.6028



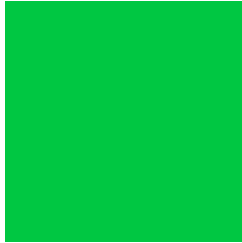
17.9095, 8.9134, 15.2651



0.8805, 0.4351, 0.8941

Previews

White Background



This preview shows how the XYZ color 21.4068, 41.2402, 11.9862 looks on a white background.

Color Contrast Check

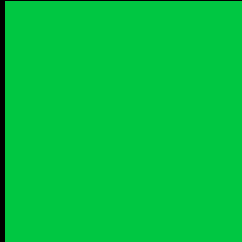
Large Text (above 18pt) WCAG AA × Fail

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 21.4068, 41.2402, 11.9862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

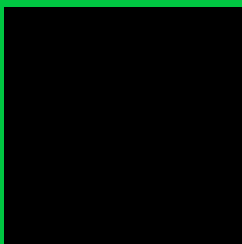
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.4068, 41.2402, 11.9862

Background



This preview shows how black text looks on a background with the XYZ color 21.4068, 41.2402, 11.9862.



This preview shows how white text looks on a background with the XYZ color 21.4068, 41.2402,

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

21.4068, 41.2402, 11.9862

Protanopia

36.8125, 40.5077, 9.8815

Deuteranopia

41.1594, 40.2396, 12.8054



Tritanopia

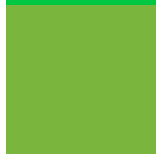
31.4949, 41.0842, 61.5284

Trichromacy



Original Color

21.4068, 41.2402, 11.9862



Protanomaly

25.3922, 37.5222, 10.3191



Deuteranomaly

26.3975, 36.2227, 12.0789



Tritanomaly

25.7145, 40.2587, 36.1212

Monochromacy



Original Color

21.4068, 41.2402, 11.9862



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.7392, 24.7748, 16.7317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4068, 41.2402, 11.9862 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, 199, 66)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 66)  
}
```

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, 199, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 66) }
```

Border

The CSS property to change the border of an element to XYZ 21.4068, 41.2402, 11.9862 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, 199, 66) }
```


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

```
.border{ border-color:rgb(0, 199, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 66);  
box-shadow:4px 4px 4px 4px rgb(0, 199, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.4068, 41.2402, 11.9862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 66) }
```

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

```
.background{ background-color: rgb(0, 199,  
66) }
```

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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