

Converting Colors

XYZ(21.2155, 41.6190, 9.5750)

Have a look what the booklet for
XYZ(21.2155, 41.6190, 9.5750)
contains.

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Color

**XYZ(21.1674, 41.5138,
9.5867)**

Conversions

Conversions Part 1

Format	Color
Hex	00C82F
RGB	0, 200, 47
RGB Percent	0%, 78%, 18%
CMY	1.0000, 0.2157, 0.8157
CMYK	1.00, 0.00, 0.76, 0.22
HSL	134°, 100%, 39%
HSV	134°, 100%, 78%
XYZ	21.1674, 41.5138, 9.5867
YIQ	122.7580, -70.0870, -89.9830

Conversions

Conversions Part 2

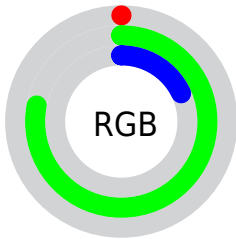
Format	Color
RYB	0, 162, 200
Decimal	51247
CIELab	70.53, -69.92, 60.22
CIELCh	71, 92.280, 139.262
Yxy	41.5138, 0.2929, 0.5744
Android (android.graphics.Color)	4278241327 (0xFF00C82F)
YUV	122.7580, -37.3487, -107.6588
Hunter-Lab	64.4312, -54.1125, 36.2801

Details

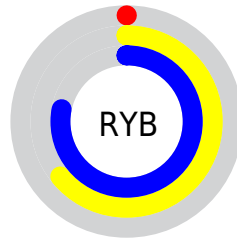
The XYZ color **21.1674, 41.5138, 9.5867** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **29.5703, 14.5799, 31.3932**, and the grayscale version is **18.8840, 19.8674, 21.6356**.

A 20% lighter version of the original color is **43.8522, 75.4030, 25.3397**, and **9.9733, 19.9465, 3.3244** is the 20% darker color. If you saturate the color by 10%, you get **21.1683, 41.5155, 9.5873**, and if you desaturate by 10%, it is **21.8216, 41.8101, 11.5217**.

Distribution



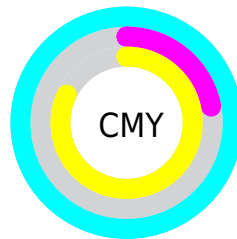
- Red (0%)
- Green (78%)
- Blue (18%)



- Red (0%)
- Yellow (64%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1674, 41.5138, 9.5867 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 21.1674, 41.5138, 9.5867 by changing the saturation by 10% instead.


 21.1674, 41.5138,
9.5867


 21.1674, 41.5138,
9.5867


250.8817,
352.4635, 198.0727


 13.3596, 28.7208,
5.0238


 44.8551, 77.4632,
25.6107

 7.7553, 18.8697,
2.2022


 61.4658, 101.3885,
37.9089

 3.9893, 11.5762,
0.6757


 81.7414, 129.7932,
53.6226

 1.6961, 6.4558,
0.0000

 106.0474,
163.0618, 73.1704

 0.4538, 3.1242,
0.0000

 134.7490,
201.5788, 96.9707

 0.0000, 1.1969,
0.0000

 168.2117,

 0.0000, 0.0592,

245.7285, 125.4422

0.0000

206.8008,
295.8952, 159.0034

■ 0.0000, 0.0000,
0.0000

■ 21.1674, 41.5138,
9.5867

■ 21.1674, 41.5138,
9.5867

■ 21.1683, 41.5155,
9.5873

■ 21.8216, 41.8101,
11.5217

■ 22.8915, 42.3058,
14.0934

■ 24.4906, 43.0597,
17.3549

■ 26.6817, 44.1030,
21.3516

■ 29.5183, 45.4627,
26.1251

■ 33.0478, 47.1622,
31.7136

■ 37.3131, 49.2229,
38.1529

■ 42.3535, 51.6644,
45.4767

■ 48.2053, 54.5048,
53.7167

Harmonies

Analogous

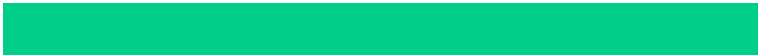
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.5636, 41.5138, 3.2567



21.1674, 41.5138, 9.5867



17.1117, 41.5138, 31.3058

Triad

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



21.1674, 41.5138, 9.5867



34.2486, 41.5138, 187.8247



74.0640, 41.5138, 22.7945

Complementary

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



21.1674, 41.5138, 9.5867



29.5703, 14.5799, 31.3932

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.



75.7915, 41.5138, 62.6990



21.1674, 41.5138, 9.5867



49.9286, 41.5138, 179.6085

Square

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



21.1674, 41.5138, 9.5867



23.2652, 41.5138, 143.1872



66.0673, 41.5138, 125.0039



61.8217, 41.5138, 6.7812

Rectangle

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



21.1674, 41.5138, 9.5867



17.0367, 41.5138, 60.0888



66.0673, 41.5138, 125.0039



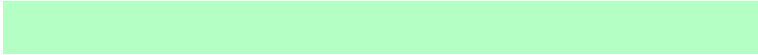
75.9942, 41.5138, 33.0017

Sweetspot

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



21.1684, 41.5155, 9.5876



64.2534, 85.0516, 65.5406



33.8557, 48.1154, 7.5029



13.0478, 17.8637, 12.9745



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.



21.1684, 41.5155, 9.5876



36.5737, 71.8455, 16.2049



25.8958, 43.4065, 34.4818



10.5979, 11.9281, 11.8329



13.4883, 26.4077, 6.2501



0.6678, 1.2621, 0.4493

Inverse Universe

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



29.5703, 14.5799, 31.3932



51.0985, 25.2034, 53.8439



24.4708, 12.5401, 4.5397



10.9724, 10.7723, 12.8378



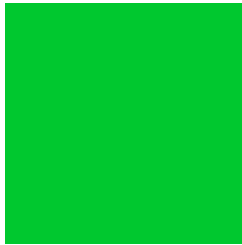
18.8371, 9.2844, 20.1497



0.9186, 0.4503, 1.0943

Previews

White Background



This preview shows how the XYZ color 21.1674, 41.5138, 9.5867 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 21.1674, 41.5138, 9.5867 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 21.1674, 41.5138, 9.5867

Background



This preview shows how black text looks on a background with the XYZ color 21.1674, 41.5138, 9.5867.



This preview shows how white text looks on a background with the XYZ color 21.1674, 41.5138,

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

21.1674, 41.5138, 9.5867

Protanopia

36.6841, 40.4855, 7.8885

Deuteranopia

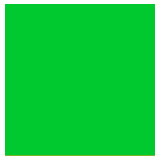
41.4350, 40.6994, 10.3745



Tritanopia

31.7869, 41.2211, 62.1582

Trichromacy



Original Color

21.1674, 41.5138, 9.5867



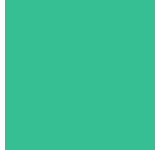
Protanomaly

25.1900, 37.7679, 8.2478



Deuteranomaly

26.4172, 36.5803, 9.5393



Tritanomaly

25.2873, 40.0938, 33.6002

Monochromacy



Original Color

21.1674, 41.5138, 9.5867



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.2741, 24.5791, 14.7130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1674, 41.5138, 9.5867 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, 200, 47)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 47)  
}
```

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, 200, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 47) }
```

Border

The CSS property to change the border of an element to XYZ 21.1674, 41.5138, 9.5867 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, 200, 47) }
```


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

```
.border{ border-color:rgb(0, 200, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 200, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 47);  
box-shadow:4px 4px 4px 4px rgb(0, 200, 47)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.1674, 41.5138, 9.5867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 47) }
```

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

```
.background{ background-color: rgb(0, 200,  
47) }
```

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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