

Converting Colors

XYZ(21.4220, 42.1277, 9.3491)

Have a look what the booklet for
XYZ(21.4220, 42.1277, 9.3491)
contains.

XYZ(21.3413, 41.9551, 9.3562)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.3413, 41.9551,
9.3562)**

Conversions

Conversions Part 1

Format	Color
Hex	00C92C
RGB	0, 201, 44
RGB Percent	0%, 79%, 17%
CMY	1.0000, 0.2118, 0.8274
CMYK	1.00, 0.00, 0.78, 0.21
HSL	133°, 100%, 39%
HSV	133°, 100%, 79%
XYZ	21.3413, 41.9551, 9.3562
YIQ	123.0030, -69.3990, -91.4390

Conversions

Conversions Part 2

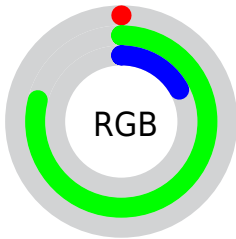
Format	Color
RYB	0, 165, 201
Decimal	51500
CIELab	70.84, -70.41, 61.47
CIELCh	71, 93.466, 138.879
Yxy	41.9551, 0.2937, 0.5775
Android (android.graphics.Color)	4278241580 (0xFF00C92C)
YUV	123.0030, -38.9485, -107.8736
Hunter-Lab	64.7728, -54.5402, 36.7767

Details

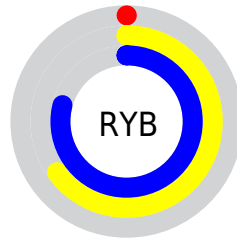
The XYZ color **21.3413, 41.9551, 9.3562** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **30.1746, 14.8526, 33.1768**, and the grayscale version is **18.9703, 19.9582, 21.7345**.

A 20% lighter version of the original color is **43.7518, 75.3629, 24.8109**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **21.3421, 41.9567, 9.3565**, and if you desaturate by 10%, it is **21.9860, 42.2479, 11.2303**.

Distribution



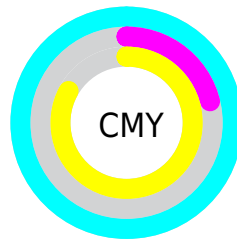
- Red (0%)
- Green (79%)
- Blue (17%)



- Red (0%)
- Yellow (65%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3413, 41.9551, 9.3562 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 21.3413, 41.9551, 9.3562 by changing the saturation by 10% instead.


 21.3413, 41.9551,
9.3562


 21.3413, 41.9551,
9.3562


251.7843,
354.2968, 196.3282


 13.4876, 29.0661,
4.8743


 45.1419, 78.1317,
25.1659


 7.8445, 19.1309,
2.1162


 61.8194, 102.1881,
37.3308


 4.0465, 11.7649,
0.6254


 82.1690, 130.7357,
52.8937

 1.7285, 6.5838,
0.0000

 106.5559,
164.1590, 72.2733

 0.4740, 3.2032,
0.0000

 135.3456,
202.8424, 95.8879

 0.0000, 1.2387,
0.0000

 168.9033,

 0.0000, 0.0930,

247.1702, 124.1563

0.0000

207.5944,
297.5269, 157.4969

■ 0.0000, 0.0000,
0.0000

■ 21.3413, 41.9551,
9.3562

■ 21.3413, 41.9551,
9.3562

■ 21.3421, 41.9567,
9.3565

■ 21.9860, 42.2479,
11.2303

■ 23.0546, 42.7438,
13.7652

■ 24.6626, 43.5024,
17.0188

■ 26.8741, 44.5557,
21.0407

■ 29.7439, 45.9311,
25.8758

■ 33.3206, 47.6527,
31.5656

■ 37.6478, 49.7423,
38.1489

■ 42.7660, 52.2198,
45.6619

■ 48.7122, 55.1037,
54.1389

Harmonies

Analogous

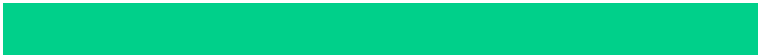
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.9713, 41.9551, 3.1329



21.3413, 41.9551, 9.3562



17.1609, 41.9551, 31.0876

Triad

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



21.3413, 41.9551, 9.3562



34.3883, 41.9551, 191.5452



75.3464, 41.9551, 23.2151

Complementary

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



21.3413, 41.9551, 9.3562



30.1746, 14.8526, 33.1768

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.



76.9565, 41.9551, 64.2502



21.3413, 41.9551, 9.3562



50.3448, 41.9551, 183.8605

Square

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



21.3413, 41.9551, 9.3562



23.2811, 41.9551, 145.1885



66.8789, 41.9551, 128.2049



62.9253, 41.9551, 6.7908

Rectangle

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



21.3413, 41.9551, 9.3562



17.0455, 41.9551, 60.1997



66.8789, 41.9551, 128.2049



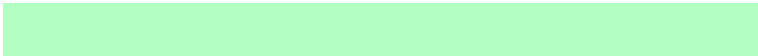
77.2716, 41.9551, 33.7088

Sweetspot

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



21.3423, 41.9568, 9.3571



64.1132, 84.9955, 64.8025



34.8809, 48.9888, 7.6176



13.0155, 17.8507, 12.8042



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.



21.3423, 41.9568, 9.3571



36.4694, 71.8038, 15.6558



25.9258, 43.7902, 33.4934



10.5909, 11.9253, 11.7961



13.4470, 26.3912, 6.0324



0.6646, 1.2608, 0.4327

Inverse Universe

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



30.1746, 14.8526, 33.1768



51.5696, 25.3919, 56.3252



24.8258, 12.7131, 5.0106



10.9799, 10.7753, 12.8773



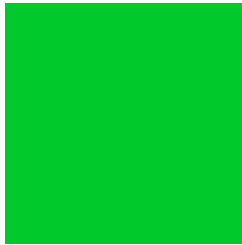
19.0070, 9.3524, 21.0447



0.9254, 0.4530, 1.1301

Previews

White Background



This preview shows how the XYZ color 21.3413, 41.9551, 9.3562 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 21.3413, 41.9551, 9.3562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

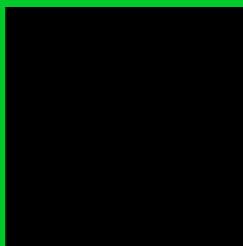
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.3413, 41.9551, 9.3562

Background



This preview shows how black text looks on a background with the XYZ color 21.3413, 41.9551, 9.3562.



This preview shows how white text looks on a background with the XYZ color 21.3413, 41.9551,

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

21.3413, 41.9551, 9.3562

Protanopia

37.0788, 40.9761, 7.7052

Deuteranopia

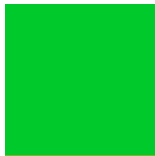
41.9638, 40.9784, 10.1128



Tritanopia

31.9983, 41.6439, 62.2287

Trichromacy



Original Color

21.3413, 41.9551, 9.3562



Protanomaly

25.4849, 38.2311, 8.0436



Deuteranomaly

26.7283, 37.0385, 9.3548



Tritanomaly

25.4287, 40.5005, 33.2652

Monochromacy



Original Color

21.3413, 41.9551, 9.3562



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.2289, 24.5611, 14.4751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3413, 41.9551, 9.3562 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, 201, 44)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 44)  
}
```

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, 201, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 44) }
```

Border

The CSS property to change the border of an element to XYZ 21.3413, 41.9551, 9.3562 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, 201, 44) }
```


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

```
.border{ border-color:rgb(0, 201, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 44);  
box-shadow:4px 4px 4px 4px rgb(0, 201, 44)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.3413, 41.9551, 9.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 44) }
```

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

```
.background{ background-color: rgb(0, 201,  
44) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor