

Converting Colors

XYZ(21.5757, 42.2171, 10.0713)

Have a look what the booklet for
XYZ(21.5757, 42.2171, 10.0713)
contains.

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Color

**XYZ(21.4624, 42.0036,
9.9939)**

Conversions

Conversions Part 1

Format	Color
Hex	00C932
RGB	0, 201, 50
RGB Percent	0%, 79%, 20%
CMY	1.0000, 0.2118, 0.8039
CMYK	1.00, 0.00, 0.75, 0.21
HSL	135°, 100%, 39%
HSV	135°, 100%, 79%
XYZ	21.4624, 42.0036, 9.9939
YIQ	123.6870, -71.3250, -89.5730

Conversions

Conversions Part 2

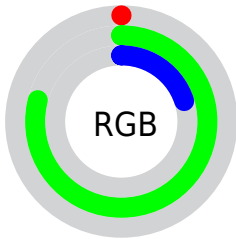
Format	Color
RYB	0, 161, 201
Decimal	51506
CIELab	70.87, -69.98, 59.56
CIELCh	71, 91.898, 139.597
Yxy	42.0036, 0.2922, 0.5718
Android (android.graphics.Color)	4278241586 (0xFF00C932)
YUV	123.6870, -36.3277, -108.4735
Hunter-Lab	64.8102, -54.3062, 36.2245

Details

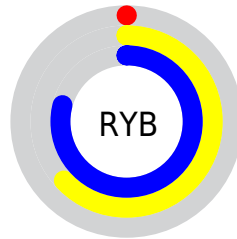
The XYZ color **21.4624, 42.0036, 9.9939** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **29.6746, 14.6526, 30.5438**, and the grayscale version is **19.1894, 20.1887, 21.9855**.

A 20% lighter version of the original color is **43.9550, 75.4442, 25.8812**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **21.4632, 42.0053, 9.9944**, and if you desaturate by 10%, it is **22.1353, 42.3077, 12.0167**.

Distribution



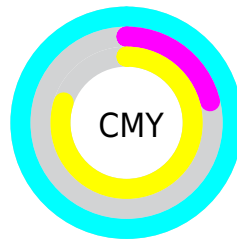
- Red (0%)
- Green (79%)
- Blue (20%)



- Red (0%)
- Yellow (63%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4624, 42.0036, 9.9939 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 21.4624, 42.0036, 9.9939 by changing the saturation by 10% instead.


 21.4624, 42.0036,
9.9939


 21.4624, 42.0036,
9.9939


252.4113,
354.4979, 201.1118


 13.5768, 29.1041,
5.2894


 45.3413, 78.2051,
26.3917

 7.9066, 19.1596,
2.3563


 62.0654, 102.2758,
38.9220


 4.0866, 11.7857,
0.7625


 82.4663, 130.8392,
54.8979

 1.7512, 6.5979,
0.0000

 106.9094,
164.2794, 74.7381

 0.4880, 3.2119,
0.0000

 135.7601,
202.9810, 98.8611

 0.0000, 1.2434,
0.0000

 169.3838,

 0.0000, 0.0967,

247.3284, 127.6853

0.0000

208.1457,
297.7059, 161.6293

■ 0.0000, 0.0000,
0.0000

■ 21.4624, 42.0036,
9.9939

■ 21.4624, 42.0036,
9.9939

■ 21.4632, 42.0053,
9.9944

■ 22.1353, 42.3077,
12.0167

■ 23.2262, 42.8125,
14.6689

■ 24.8490, 43.5770,
18.0011

■ 27.0669, 44.6329,
22.0566

■ 29.9334, 46.0069,
26.8747

■ 33.4962, 47.7230,
32.4922

■ 37.7983, 49.8025,
38.9432

■ 42.8791, 52.2650,
46.2600

■ 48.7752, 55.1289,
54.4730

Harmonies

Analogous

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



30.8538, 42.0036, 3.4369



21.4624, 42.0036, 9.9939



17.4297, 42.0036, 32.1558

Triad

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



21.4624, 42.0036, 9.9939



34.8472, 42.0036, 188.5475



74.5098, 42.0036, 22.9121

Complementary

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



21.4624, 42.0036, 9.9939



29.6746, 14.6526, 30.5438

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.



76.3736, 42.0036, 62.6820



21.4624, 42.0036, 9.9939



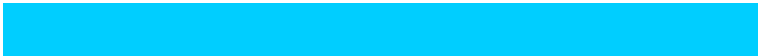
50.6155, 42.0036, 179.7103

Square

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



21.4624, 42.0036, 9.9939



23.7412, 42.0036, 144.4539



66.7502, 42.0036, 124.8726



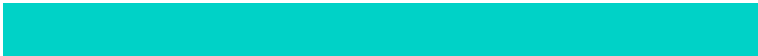
62.1663, 42.0036, 6.9167

Rectangle

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



21.4624, 42.0036, 9.9939



17.3884, 42.0036, 61.2534



66.7502, 42.0036, 124.8726



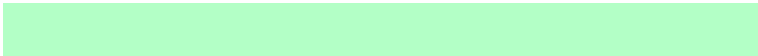
76.4844, 42.0036, 33.0872

Sweetspot

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



21.4634, 42.0053, 9.9949



64.3740, 85.0998, 66.1754



34.2337, 48.6552, 7.5872



13.0757, 17.8748, 13.1211



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.



21.4634, 42.0053, 9.9949



36.6694, 71.8838, 16.7087



26.1858, 43.8943, 34.8626



10.6039, 11.9304, 11.8643



13.5260, 26.4228, 6.4484



0.6705, 1.2631, 0.4635

Inverse Universe

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



29.6746, 14.6526, 30.5438



50.7064, 25.0466, 51.7795



24.7450, 12.6808, 4.5850



10.9660, 10.7698, 12.8042



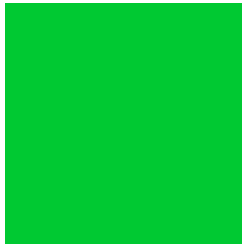
18.6955, 9.2278, 19.4044



0.9129, 0.4480, 1.0643

Previews

White Background



This preview shows how the XYZ color 21.4624, 42.0036, 9.9939 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 21.4624, 42.0036, 9.9939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

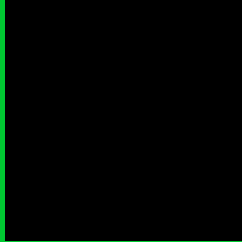
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

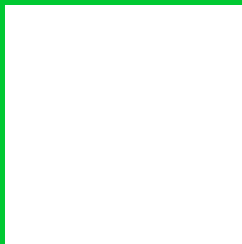
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4624, 42.0036, 9.9939

Background



This preview shows how black text looks on a background with the XYZ color 21.4624, 42.0036, 9.9939.



This preview shows how white text looks on a background with the XYZ color 21.4624, 42.0036,

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

21.4624, 42.0036, 9.9939

Protanopia

37.1809, 41.0169, 8.2429

Deuteranopia

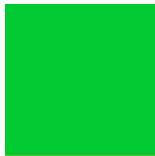
41.7829, 40.8722, 10.6880



Tritanopia

32.1171, 41.6914, 62.8544

Trichromacy



Original Color

21.4624, 42.0036, 9.9939



Protanomaly

25.5950, 38.2752, 8.6236



Deuteranomaly

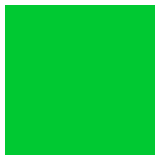
26.6911, 37.0048, 10.0108



Tritanomaly

25.5843, 40.5627, 34.0847

Monochromacy



Original Color

21.4624, 42.0036, 9.9939



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.6104, 24.9818, 15.2558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4624, 42.0036, 9.9939 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 50) }
```

Border

The CSS property to change the border of an element to XYZ 21.4624, 42.0036, 9.9939 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, 50) }
```


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

```
.border{ border-color:rgb(0, 201, 50) }
```

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, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 50);  
box-shadow:4px 4px 4px 4px rgb(0, 201, 50)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.4624, 42.0036, 9.9939 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, 50) }
```

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

```
.background{ background-color: rgb(0, 201,  
50) }
```

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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