

Converting Colors

XYZ(21.6177, 42.3061, 7.0265)

Have a look what the booklet for
XYZ(21.6177, 42.3061, 7.0265)
contains.

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Color

**XYZ(21.5138, 42.0966,
6.9916)**

Conversions

Conversions Part 1

Format	Color
Hex	21C900
RGB	33, 201, 0
RGB Percent	13%, 79%, 0%
CMY	0.8706, 0.2118, 0.9999
CMYK	0.84, 0.00, 1.00, 0.21
HSL	110°, 100%, 39%
HSV	110°, 100%, 79%
XYZ	21.5138, 42.0966, 6.9916
YIQ	127.8540, -35.6070, -98.1270

Conversions

Conversions Part 2

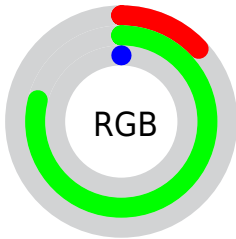
Format	Color
RYB	0, 201, 168
Decimal	2214144
CIELab	70.94, -70.01, 69.80
CIELCh	71, 98.866, 135.086
Yxy	42.0966, 0.3047, 0.5963
Android (android.graphics.Color)	4280404224 (0xFF21C900)
YUV	127.8540, -63.0320, -83.1870
Hunter-Lab	64.8819, -54.3556, 39.0283

Details

The XYZ color **21.5138, 42.0966, 6.9916** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **26.6981, 12.5458, 56.2750**, and the grayscale version is **20.6893, 21.7668, 23.7040**.

A 20% lighter version of the original color is **44.0553, 75.6248, 20.0597**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **21.5140, 42.0980, 6.9918**, and if you desaturate by 10%, it is **22.3205, 42.4990, 7.6944**.

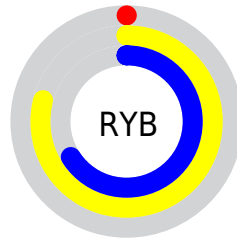
Distribution



Red (13%)

Green (79%)

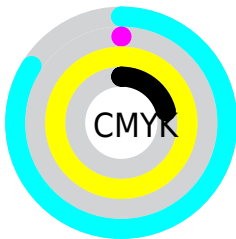
Blue (0%)



Red (0%)

Yellow (79%)

Blue (66%)

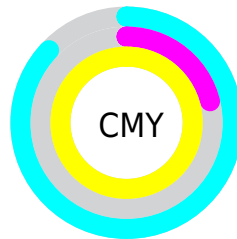


Cyan (84%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (87%)

Magenta (21%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5138, 42.0966, 6.9916 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 21.5138, 42.0966, 6.9916 by changing the saturation by 10% instead.

■ 21.5138, 42.0966,
6.9916

■ 21.5138, 42.0966,
6.9916

252.6770,
354.8832, 177.2222

■ 13.6147, 29.1769,
3.3785

■ 45.4260, 78.3458,
20.4689

■ 7.9331, 19.2147,
1.2910

■ 62.1697, 102.4441,
31.1701

■ 4.1036, 11.8255,
0.0544

■ 82.5924, 131.0375,
45.0712

■ 1.7609, 6.6250,
0.0000

■ 107.0593,
164.5102, 62.5906

■ 0.4939, 3.2287,
0.0000

■ 135.9359,
203.2468, 84.1468

■ 0.0000, 1.2523,
0.0000

■ 169.5874,

■ 0.0000, 0.1038,

247.6315, 110.1585

0.0000

208.3794,
298.0489, 141.0441

■ 0.0000, 0.0000,
0.0000

■ 21.5138, 42.0966,
6.9916

■ 21.5138, 42.0966,
6.9916

■ 21.5140, 42.0980,
6.9918

■ 22.3205, 42.4990,
7.6944

■ 23.5620, 43.1091,
9.1066

■ 25.3149, 43.9622,
11.4715

■ 27.6299, 45.0817,
14.9175

■ 30.5509, 46.4880,
19.5534

■ 34.1176, 48.1994,
25.4745

■ 38.3663, 50.2326,
32.7666

■ 43.3302, 52.6033,
41.5080

■ 49.0408, 55.3259,
51.7713

Harmonies

Analogous

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



32.3221, 42.0966, 2.1952



21.5138, 42.0966, 6.9916



16.5482, 42.0966, 26.2316

Triad

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



21.5138, 42.0966, 6.9916



32.4018, 42.0966, 201.2064



79.0400, 42.0966, 26.0507

Complementary

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



21.5138, 42.0966, 6.9916



26.6981, 12.5458, 56.2750

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.



79.0787, 42.0966, 73.3657



21.5138, 42.0966, 6.9916



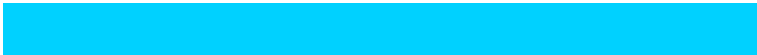
48.8330, 42.0966, 201.0175

Square

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



21.5138, 42.0966, 6.9916



21.5583, 42.0966, 144.7375



66.8897, 42.0966, 144.3236



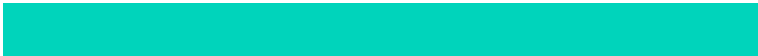
66.7951, 42.0966, 6.9368

Rectangle

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



21.5138, 42.0966, 6.9916



16.0307, 42.0966, 54.3558



66.8897, 42.0966, 144.3236



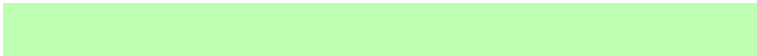
80.5718, 42.0966, 38.2566

Sweetspot

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



21.5148, 42.0984, 6.9925



65.3449, 85.8375, 55.5074



38.0003, 40.2417, 5.7653



13.2943, 18.0417, 10.6848



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.



21.5148, 42.0984, 6.9925



36.7082, 72.0088, 11.9644



21.9014, 42.1806, 12.3003



10.6569, 11.9701, 11.3115



13.5788, 26.4954, 4.3985



0.6952, 1.2815, 0.2107

Inverse Universe

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



26.6981, 12.5458, 56.2750



45.5379, 21.3905, 96.3364



28.3925, 14.1401, 23.7910



10.9057, 10.7252, 13.4129



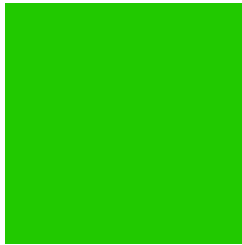
16.8512, 7.9214, 35.3852



0.8447, 0.3992, 1.6777

Previews

White Background



This preview shows how the XYZ color 21.5138, 42.0966, 6.9916 looks on a white background.

Color Contrast Check

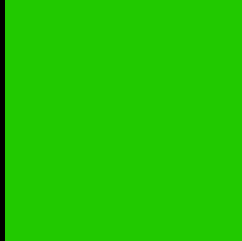
Large Text (above 18pt) WCAG AA × Fail

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 21.5138, 42.0966, 6.9916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

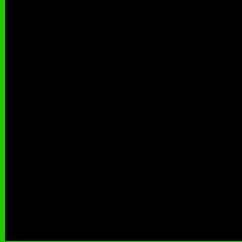
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.5138, 42.0966, 6.9916

Background



This preview shows how black text looks on a background with the XYZ color 21.5138, 42.0966, 6.9916.



This preview shows how white text looks on a background with the XYZ color 21.5138, 42.0966,

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

21.5138, 42.0966, 6.9916

Protanopia

37.1917, 41.3565, 6.0224

Deuteranopia

41.8521, 40.9677, 7.9872



Tritanopia

32.5508, 41.9288, 62.2546

Trichromacy



Original Color

21.5138, 42.0966, 6.9916



Protanomaly

26.9252, 39.0179, 6.1121



Deuteranomaly

28.3144, 37.9130, 6.8625



Tritanomaly

25.2663, 40.5495, 27.2640

Monochromacy



Original Color

21.5138, 42.0966, 6.9916



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

17.7207, 26.3639, 11.9393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5138, 42.0966, 6.9916 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(33, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(33, 201, 0)  
}
```

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(33, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 201, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.5138, 42.0966, 6.9916 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(33, 201, 0) }
```


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

```
.border{ border-color:rgb(33, 201, 0) }
```

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

Here you see how a box with a 4 pixel rgb(33, 201, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(33, 201, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.5138, 42.0966, 6.9916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 201, 0) }
```

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

```
.background{ background-color: rgb(33, 201,  
0) }
```

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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