

Converting Colors

XYZ(21.5538, 41.3954, 6.8541)

Have a look what the booklet for
XYZ(21.5538, 41.3954, 6.8541)
contains.

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Color

**XYZ(21.5957, 41.4512,
6.8627)**

Conversions

Conversions Part 1

Format	Color
Hex	2FC700
RGB	47, 199, 0
RGB Percent	18%, 78%, 0%
CMY	0.8157, 0.2196, 0.9999
CMYK	0.76, 0.00, 1.00, 0.22
HSL	106°, 100%, 39%
HSV	106°, 100%, 78%
XYZ	21.5957, 41.4512, 6.8627
YIQ	130.8660, -26.7130, -94.1130

Conversions

Conversions Part 2

Format	Color
RYB	0, 199, 152
Decimal	3131136
CIELab	70.49, -67.70, 69.53
CIELCh	70, 97.046, 134.237
Yxy	41.4512, 0.3089, 0.5929
Android (android.graphics.Color)	4281321216 (0xFF2FC700)
YUV	130.8660, -64.5169, -73.5505
Hunter-Lab	64.3826, -52.7957, 38.7480

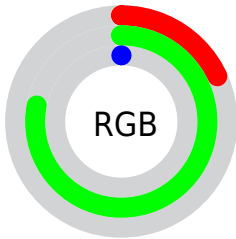
Details

The XYZ color **21.5957, 41.4512, 6.8627** 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 **23.2636, 10.8023, 54.8940**, and the grayscale version is **21.7572, 22.8903, 24.9276**.

A 20% lighter version of the original color is **44.9537, 76.0923, 19.9074**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **21.5957, 41.4525, 6.8629**, and if you desaturate by 10%, it is **22.5491, 41.9295, 7.5630**.

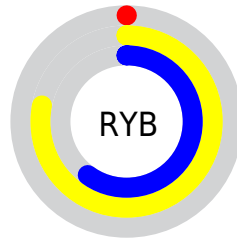
Distribution



Red (18%)

Green (78%)

Blue (0%)



Red (0%)

Yellow (78%)

Blue (60%)

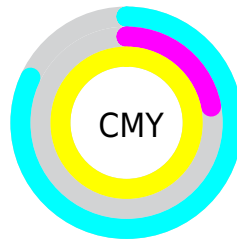


Cyan (76%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (82%)

Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5957, 41.4512, 6.8627 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 21.5957, 41.4512, 6.8627 by changing the saturation by 10% instead.


 21.5957, 41.4512,
6.8627


 21.5957, 41.4512,
6.8627


253.0998,
352.2029, 176.1053


 13.6751, 28.6718,
3.2992


 45.5607, 77.3684,
20.2046


 7.9752, 18.8327,
1.2494


 62.3358, 101.2749,
30.8201


 4.1308, 11.5494,
0.0198


 82.7931, 129.6593,
44.6234

 1.7764, 6.4377,
0.0000

 107.2979,
162.9060, 62.0330

 0.5034, 3.1130,
0.0000

 136.2156,
201.3993, 83.4675

 0.0000, 1.1910,
0.0000

 169.9116,

 0.0000, 0.0543,

245.5236, 109.3453

0.0000

208.7512,
295.6633, 140.0851

■ 0.0000, 0.0000,
0.0000

■ 21.5957, 41.4512,
6.8627

■ 21.5957, 41.4512,
6.8627

■ 21.5957, 41.4525,
6.8629

■ 22.5491, 41.9295,
7.5630

■ 23.8975, 42.5952,
8.9540

■ 25.7070, 43.4785,
11.2742

■ 28.0194, 44.5983,
14.6485

■ 30.8715, 45.9712,
19.1827

■ 34.2961, 47.6122,
24.9696

■ 38.3237, 49.5349,
32.0925

■ 42.9821, 51.7524,
40.6278

■ 48.2977, 54.2764,
50.6459

Harmonies

Analogous

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



32.3052, 41.4512, 2.2715



21.5957, 41.4512, 6.8627



16.5863, 41.4512, 25.1788

Triad

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



21.5957, 41.4512, 6.8627



31.6172, 41.4512, 194.1367



77.3783, 41.4512, 26.7455

Complementary

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



21.5957, 41.4512, 6.8627



23.2636, 10.8023, 54.8940

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.



77.0463, 41.4512, 73.5512



21.5957, 41.4512, 6.8627



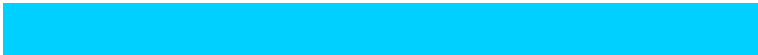
47.4599, 41.4512, 195.7467

Square

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



21.5957, 41.4512, 6.8627



21.2102, 41.4512, 138.7387



64.9966, 41.4512, 142.2745



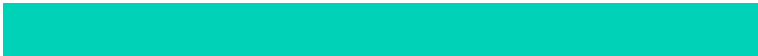
65.8084, 41.4512, 7.3461

Rectangle

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



21.5957, 41.4512, 6.8627



15.9909, 41.4512, 51.9623



64.9966, 41.4512, 142.2745



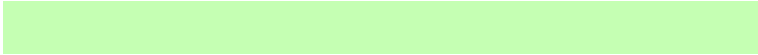
78.7363, 41.4512, 38.9305

Sweetspot

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



21.5967, 41.4529, 6.8636



66.7572, 86.5655, 55.5735



34.3427, 33.7195, 4.6991



13.6193, 18.2092, 10.7000



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.



21.5967, 41.4529, 6.8636



37.6356, 72.4869, 12.0078



20.9953, 41.0770, 9.8136



10.7280, 12.0067, 11.3149



13.9517, 26.6877, 4.4159



0.7273, 1.2981, 0.2122

Inverse Universe

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



23.2636, 10.8023, 54.8940



40.5038, 18.7954, 96.1008



28.9999, 14.3213, 29.7780



10.8289, 10.6856, 13.4093



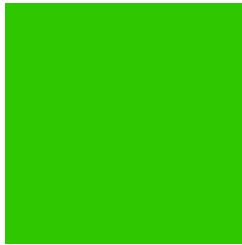
15.0384, 6.9868, 35.3003



0.7731, 0.3623, 1.6743

Previews

White Background



This preview shows how the XYZ color 21.5957, 41.4512, 6.8627 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 21.5957, 41.4512, 6.8627 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 21.5957, 41.4512, 6.8627

Background



This preview shows how black text looks on a background with the XYZ color 21.5957, 41.4512, 6.8627.



This preview shows how white text looks on a background with the XYZ color 21.5957, 41.4512,

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

21.5957, 41.4512, 6.8627

Protanopia

36.5552, 40.4633, 5.8835

Deuteranopia

41.3807, 40.4622, 7.9145



Tritanopia

32.3904, 41.2477, 60.8980

Trichromacy



Original Color

21.5957, 41.4512, 6.8627



Protanomaly

27.3391, 38.6232, 6.0141



Deuteranomaly

28.8542, 37.6091, 6.7754



Tritanomaly

25.3048, 39.9370, 26.4536

Monochromacy



Original Color

21.5957, 41.4512, 6.8627



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

18.7053, 27.1108, 12.4306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5957, 41.4512, 6.8627 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(47, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(47, 199, 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(47, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.5957, 41.4512, 6.8627 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(47, 199, 0) }
```


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

```
.border{ border-color:rgb(47, 199, 0) }
```

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

Here you see how a box with a 4 pixel rgb(47, 199, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(47, 199, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.5957, 41.4512, 6.8627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 199, 0) }
```

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

```
.background{ background-color: rgb(47, 199,  
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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