

Converting Colors

XYZ(21.6375, 42.3162, 7.0276)

Have a look what the booklet for
XYZ(21.6375, 42.3162, 7.0276)
contains.

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Color

**XYZ(21.5463, 42.1134,
6.9931)**

Conversions

Conversions Part 1

Format	Color
Hex	22C900
RGB	34, 201, 0
RGB Percent	13%, 79%, 0%
CMY	0.8667, 0.2117, 0.9999
CMYK	0.83, 0.00, 1.00, 0.21
HSL	110°, 100%, 39%
HSV	110°, 100%, 79%
XYZ	21.5463, 42.1134, 6.9931
YIQ	128.1530, -35.0110, -97.9150

Conversions

Conversions Part 2

Format	Color
RYB	0, 201, 167
Decimal	2279680
CIELab	70.95, -69.91, 69.82
CIELCh	71, 98.803, 135.038
Yxy	42.1134, 0.3050, 0.5961
Android (android.graphics.Color)	4280469760 (0xFF22C900)
YUV	128.1530, -63.1794, -82.5722
Hunter-Lab	64.8948, -54.3006, 39.0373

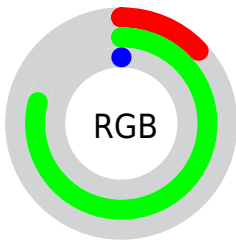
Details

The XYZ color **21.5463, 42.1134, 6.9931** 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 **26.4858, 12.4364, 56.2652**, and the grayscale version is **20.7940, 21.8769, 23.8239**.

A 20% lighter version of the original color is **44.1846, 75.6915, 20.0657**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **21.5465, 42.1148, 6.9934**, and if you desaturate by 10%, it is **22.3651, 42.5221, 7.6964**.

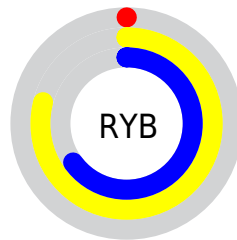
Distribution



Red (13%)

Green (79%)

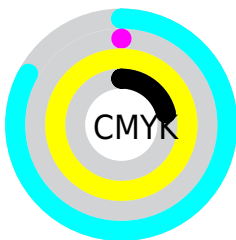
Blue (0%)



Red (0%)

Yellow (79%)

Blue (65%)

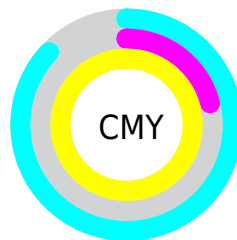


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (87%)


Magenta (21%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5463, 42.1134, 6.9931 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 21.5463, 42.1134, 6.9931 by changing the saturation by 10% instead.


 21.5463, 42.1134,
6.9931


 21.5463, 42.1134,
6.9931


252.8448,
354.9528, 177.2351


 13.6386, 29.1901,
3.3794


 45.4794, 78.3712,
20.4720


 7.9498, 19.2247,
1.2915

 62.2356, 102.4745,
31.1742

 4.1144, 11.8327,
0.0548


 82.6720, 131.0733,
45.0764

 1.7670, 6.6299,
0.0000

 107.1540,
164.5519, 62.5970

 0.4977, 3.2317,
0.0000

 136.0469,
203.2948, 84.1547

 0.0000, 1.2539,
0.0000

 169.7161,

 0.0000, 0.1051,

247.6863, 110.1679

0.0000

208.5270,
298.1108, 141.0552

■ 0.0000, 0.0000,
0.0000

■ 21.5463, 42.1134,
6.9931

■ 21.5463, 42.1134,
6.9931

■ 21.5465, 42.1148,
6.9934

■ 22.3651, 42.5221,
7.6964

■ 23.6168, 43.1374,
9.1091

■ 25.3773, 43.9944,
11.4743

■ 27.6966, 45.1162,
14.9205

■ 30.6182, 46.5227,
19.5563

■ 34.1813, 48.2322,
25.4772

■ 38.4217, 50.2612,
32.7688

■ 43.3725, 52.6251,
41.5096

■ 49.0645, 55.3382,
51.7719

Harmonies

Analogous

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



32.3629, 42.1134, 2.2023



21.5463, 42.1134, 6.9931



16.5717, 42.1134, 26.2037

Triad

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



21.5463, 42.1134, 6.9931



32.3979, 42.1134, 201.0524



79.0452, 42.1134, 26.1242

Complementary

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



21.5463, 42.1134, 6.9931



26.4858, 12.4364, 56.2652

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.



79.0622, 42.1134, 73.4712



21.5463, 42.1134, 6.9931



48.8158, 42.1134, 200.9696

Square

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



21.5463, 42.1134, 6.9931



21.5658, 42.1134, 144.5726



66.8655, 42.1134, 144.3909



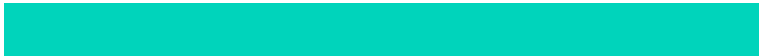
66.8240, 42.1134, 6.9690

Rectangle

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



21.5463, 42.1134, 6.9931



16.0491, 42.1134, 54.2854



66.8655, 42.1134, 144.3909



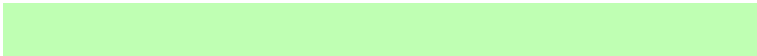
80.5688, 42.1134, 38.3448

Sweetspot

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



21.5473, 42.1152, 6.9940



65.4408, 85.8869, 55.5119



37.3922, 39.0254, 5.5625



13.3163, 18.0530, 10.6858



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.



21.5473, 42.1152, 6.9940



36.7607, 72.0359, 11.9668



21.8038, 42.1416, 11.7859



10.6618, 11.9726, 11.3118



13.6004, 26.5066, 4.3995



0.6974, 1.2826, 0.2108

Inverse Universe

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



26.4858, 12.4364, 56.2652



45.1707, 21.2012, 96.3192



28.6299, 14.2350, 25.0412



10.9004, 10.7224, 13.4126



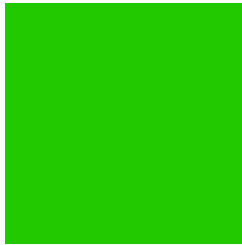
16.7192, 7.8533, 35.3790



0.8396, 0.3966, 1.6774

Previews

White Background



This preview shows how the XYZ color 21.5463, 42.1134, 6.9931 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 21.5463, 42.1134, 6.9931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

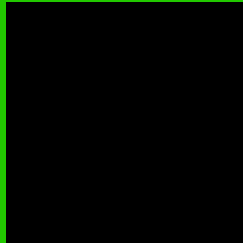
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.5463, 42.1134, 6.9931

Background



This preview shows how black text looks on a background with the XYZ color 21.5463, 42.1134, 6.9931.



This preview shows how white text looks on a background with the XYZ color 21.5463, 42.1134,

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

21.5463, 42.1134, 6.9931

Protanopia

37.1917, 41.3565, 6.0224

Deuteranopia

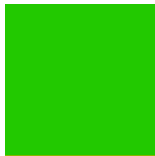
41.8521, 40.9677, 7.9872



Tritanopia

32.5508, 41.9288, 62.2546

Trichromacy



Original Color

21.5463, 42.1134, 6.9931



Protanomaly

27.0868, 39.1012, 6.1197



Deuteranomaly

28.4976, 38.0074, 6.8711



Tritanomaly

25.2663, 40.5495, 27.2640

Monochromacy



Original Color

21.5463, 42.1134, 6.9931



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

17.8226, 26.4165, 11.9441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5463, 42.1134, 6.9931 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(34, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(34, 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(34, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 201, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.5463, 42.1134, 6.9931 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(34, 201, 0) }
```


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

```
.border{ border-color:rgb(34, 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(34, 201, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(34, 201, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.5463, 42.1134, 6.9931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 201, 0) }
```

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

```
.background{ background-color: rgb(34, 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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