

Converting Colors

XYZ(21.4388, 42.7919, 7.3570)

Have a look what the booklet for
XYZ(21.4388, 42.7919, 7.3570)
contains.

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Color

**XYZ(21.4123, 42.7359,
7.3500)**

Conversions

Conversions Part 1

Format	Color
Hex	01CB08
RGB	1, 203, 8
RGB Percent	0%, 80%, 3%
CMY	0.9961, 0.2039, 0.9685
CMYK	1.00, 0.00, 0.96, 0.20
HSL	122°, 99%, 40%
HSV	122°, 100%, 80%
XYZ	21.4123, 42.7359, 7.3500
YIQ	120.3720, -57.7970, -103.4690

Conversions

Conversions Part 2

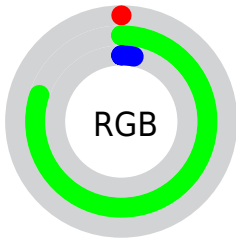
Format	Color
RYB	1, 196, 203
Decimal	117512
CIELab	71.38, -72.38, 69.21
CIELCh	71, 100.147, 136.282
Yxy	42.7359, 0.2995, 0.5977
Android (android.graphics.Color)	4278307592 (0xFF01CB08)
YUV	120.3720, -55.3994, -104.6892
Hunter-Lab	65.3727, -55.9360, 39.0948

Details

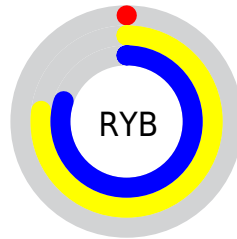
The XYZ color **21.4123, 42.7359, 7.3500** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **34.6022, 16.7035, 53.6142**, and the grayscale version is **18.1591, 19.1048, 20.8051**.

A 20% lighter version of the original color is **43.1470, 75.1478, 20.4145**, and **10.4337, 20.8674, 3.4779** is the 20% darker color. If you saturate the color by 10%, you get **21.3955, 42.7291, 7.3225**, and if you desaturate by 10%, it is **21.8775, 42.9584, 8.2135**.

Distribution



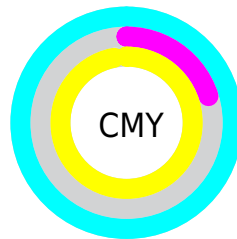
- Red (0%)
- Green (80%)
- Blue (3%)



- Red (0%)
- Yellow (77%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4123, 42.7359, 7.3500 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 21.4123, 42.7359, 7.3500 by changing the saturation by 10% instead.


 21.4123, 42.7359,
7.3500


 21.4123, 42.7359,
7.3500


252.1520,
357.5245, 180.2809


 13.5399, 29.6780,
3.6002


 45.2588, 79.3122,
21.1987

 7.8809, 19.5943,
1.4087


 61.9637, 103.5993,
32.1346

 4.0700, 12.1005,
0.1485


 82.3434, 132.3982,
46.3030

 1.7418, 6.8121,
0.0000

 106.7633,
166.0934, 64.1224

 0.4822, 3.3449,
0.0000

 135.5887,
205.0693, 86.0114

 0.0000, 1.3143,
0.0000

 169.1851,

 0.0000, 0.1523,

249.7101, 112.3884

0.0000

207.9178,
300.4004, 143.6720

■ 0.0000, 0.0000,
0.0000

■ 21.4123, 42.7359,
7.3500

■ 21.4123, 42.7359,
7.3500

■ 21.3955, 42.7291,
7.3225

■ 21.8775, 42.9584,
8.2135

■ 22.8128, 43.4045,
9.8873

■ 24.3446, 44.1375,
12.5161

■ 26.5500, 45.1949,
16.2132

■ 29.4947, 46.6084,
21.0763

■ 33.2365, 48.4059,
27.1919

■ 37.8275, 50.6125,
34.6385

■ 43.3153, 53.2514,
43.4880

■ 49.7441, 56.3439,
53.8072

Harmonies

Analogous

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



32.1950, 42.7359, 2.2052



21.4123, 42.7359, 7.3500



16.5718, 42.7359, 27.8117

Triad

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



21.4123, 42.7359, 7.3500



33.4092, 42.7359, 207.4425



80.3378, 42.7359, 25.0623

Complementary

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



21.4123, 42.7359, 7.3500



34.6022, 16.7035, 53.6142

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.



80.9304, 42.7359, 72.1916



21.4123, 42.7359, 7.3500



50.3979, 42.7359, 204.5455

Square

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



21.4123, 42.7359, 7.3500



22.0882, 42.7359, 150.9907



68.8279, 42.7359, 144.6474



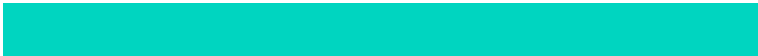
67.3813, 42.7359, 6.5251

Rectangle

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



21.4123, 42.7359, 7.3500



16.1736, 42.7359, 57.4426



68.8279, 42.7359, 144.6474



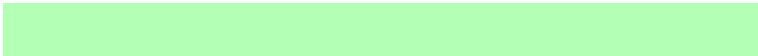
82.0915, 42.7359, 37.0988

Sweetspot

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



21.4133, 42.7377, 7.3510



62.5919, 84.3870, 56.7911



44.1976, 54.4879, 8.2165



12.6680, 17.7117, 10.9743



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.



21.4133, 42.7377, 7.3510



35.8086, 71.5394, 12.1757



24.1154, 43.8185, 21.5803



11.0836, 12.5432, 11.9976



13.6224, 27.1943, 4.6965



0.7084, 1.4052, 0.2721

Inverse Universe

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



34.6022, 16.7035, 53.6142



57.8955, 27.9222, 89.6364



26.7183, 13.5499, 12.0978



11.6701, 11.3968, 14.0631



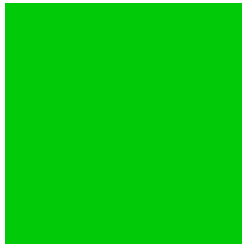
22.0177, 10.6177, 34.1414



1.1413, 0.5499, 1.7897

Previews

White Background



This preview shows how the XYZ color 21.4123, 42.7359, 7.3500 looks on a white background.

Color Contrast Check

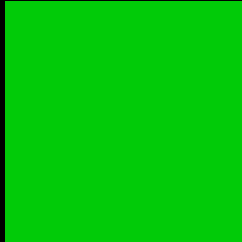
Large Text (above 18pt) WCAG AA × Fail

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 21.4123, 42.7359, 7.3500 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 21.4123, 42.7359, 7.3500

Background



This preview shows how black text looks on a background with the XYZ color 21.4123, 42.7359, 7.3500.



This preview shows how white text looks on a background with the XYZ color 21.4123, 42.7359,

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

21.4123, 42.7359, 7.3500

Protanopia

37.9010, 42.0079, 6.1107

Deuteranopia

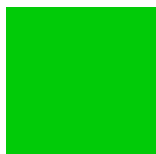
42.6626, 41.6458, 8.2725



Tritanopia

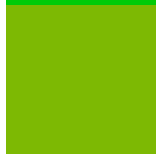
32.8430, 42.6861, 63.6350

Trichromacy



Original Color

21.4123, 42.7359, 7.3500



Protanomaly

25.8228, 39.0645, 6.2653



Deuteranomaly

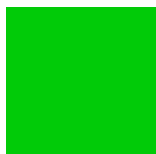
26.8286, 37.4340, 7.1780



Tritanomaly

25.0467, 41.0613, 28.7958

Monochromacy



Original Color

21.4123, 42.7359, 7.3500



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.3782, 23.9550, 11.2104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4123, 42.7359, 7.3500 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(1, 203, 8)` looks like.

```
.text, #text, p{  
    color:rgb(1, 203, 8)  
}
```

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(1, 203, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 203, 8) }
```

Border

The CSS property to change the border of an element to XYZ 21.4123, 42.7359, 7.3500 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(1, 203, 8) }
```


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

```
.border{ border-color:rgb(1, 203, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 203, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 203, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 203, 8); box-shadow:4px  
4px 4px 4px rgb(1, 203, 8) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4123, 42.7359, 7.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 203, 8) }
```

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

```
.background{ background-color: rgb(1, 203,  
8) }
```

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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