

Converting Colors

XYZ(21.4874, 42.4284, 7.2120)

Have a look what the booklet for
XYZ(21.4874, 42.4284, 7.2120)
contains.

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Color

**XYZ(21.4788, 42.4226,
7.1999)**

Conversions

Conversions Part 1

Format	Color
Hex	16CA05
RGB	22, 202, 5
RGB Percent	9%, 79%, 2%
CMY	0.9137, 0.2078, 0.9803
CMYK	0.89, 0.00, 0.98, 0.21
HSL	115°, 95%, 41%
HSV	115°, 98%, 79%
XYZ	21.4788, 42.4226, 7.1999
YIQ	125.7220, -44.0430, -99.4270

Conversions

Conversions Part 2

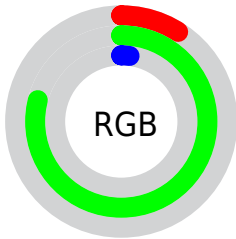
Format	Color
RYB	5, 202, 185
Decimal	1493509
CIELab	71.16, -71.14, 69.40
CIELCh	71, 99.389, 135.710
Yxy	42.4226, 0.3021, 0.5967
Android (android.graphics.Color)	4279683589 (0xFF16CA05)
YUV	125.7220, -59.5159, -90.9642
Hunter-Lab	65.1326, -55.1181, 39.0388

Details

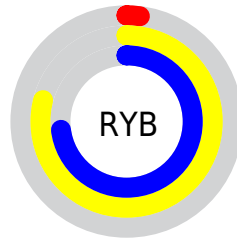
The XYZ color **21.4788, 42.4226, 7.1999** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **30.7296, 14.6911, 57.0954**, and the grayscale version is **19.9449, 20.9835, 22.8511**.

A 20% lighter version of the original color is **43.5897, 75.3804, 20.2351**, and **10.2789, 20.5578, 3.4263** is the 20% darker color. If you saturate the color by 10%, you get **21.3600, 42.3658, 7.0516**, and if you desaturate by 10%, it is **22.1923, 42.7743, 8.0190**.

Distribution



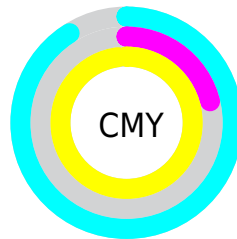
- Red (9%)
- Green (79%)
- Blue (2%)



- Red (2%)
- Yellow (79%)
- Blue (73%)



- Cyan (89%)
- Magenta (0%)
- Yellow (98%)
- Black (21%)



- Cyan (91%)
- Magenta (21%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4788, 42.4226, 7.1999 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 21.4788, 42.4226, 7.1999 by changing the saturation by 10% instead.

■ 21.4788, 42.4226,
7.1999

■ 21.4788, 42.4226,
7.1999

252.4961,
356.2318, 179.0080

■ 13.5889, 29.4323,
3.5071

■ 45.3683, 78.8388,
20.8939

■ 7.9151, 19.4081,
1.3590

■ 62.0987, 103.0336,
31.7322

■ 4.0920, 11.9655,
0.1094

■ 82.5065, 131.7319,
45.7894

■ 1.7543, 6.7202,
0.0000

■ 106.9573,
165.3183, 63.4841

■ 0.4899, 3.2878,
0.0000

■ 135.8162,
204.1771, 85.2347

■ 0.0000, 1.2837,
0.0000

■ 169.4488,

■ 0.0000, 0.1286,

248.6927, 111.4599

0.0000

208.2203,
299.2494, 142.5781

■ 0.0000, 0.0000,
0.0000

■ 21.4788, 42.4226,
7.1999

■ 21.4788, 42.4226,
7.1999

■ 21.3600, 42.3658,
7.0516

■ 22.1923, 42.7743,
8.0190

■ 23.4021, 43.3628,
9.6620

■ 25.1849, 44.2253,
12.3052

■ 27.6008, 45.3898,
16.0734

■ 30.7023, 46.8812,
21.0732

■ 34.5362, 48.7217,
27.3988

■ 39.1454, 50.9313,
35.1355

■ 44.5692, 53.5288,
44.3611

■ 50.8445, 56.5316,
55.1480

Harmonies

Analogous

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



32.2625, 42.4226, 2.2156



21.4788, 42.4226, 7.1999



16.5814, 42.4226, 27.0615

Triad

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



21.4788, 42.4226, 7.1999



32.9272, 42.4226, 204.0824



79.6376, 42.4226, 25.5544

Complementary

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



21.4788, 42.4226, 7.1999



30.7296, 14.6911, 57.0954

Split Complementary

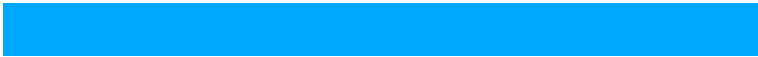
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9611, 42.4226, 72.7061



21.4788, 42.4226, 7.1999



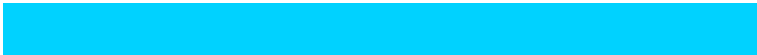
49.6216, 42.4226, 202.5037

Square

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



21.4788, 42.4226, 7.1999



21.8494, 42.4226, 147.7518



67.8395, 42.4226, 144.2926



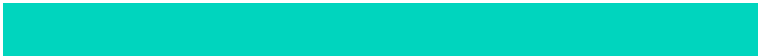
67.0493, 42.4226, 6.7447

Rectangle

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



21.4788, 42.4226, 7.1999



16.1259, 42.4226, 55.9224



67.8395, 42.4226, 144.2926



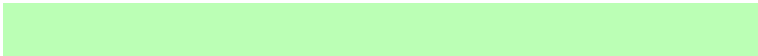
81.2806, 42.4226, 37.6595

Sweetspot

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



21.4798, 42.4244, 7.2009



64.7029, 85.4765, 56.8314



41.1762, 46.1493, 6.8817



13.1151, 17.9437, 10.9306



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.



21.4798, 42.4244, 7.2009



36.0904, 71.6903, 11.9355



22.7773, 42.9124, 15.4320



11.1562, 12.5824, 11.9201



13.7764, 27.2773, 4.5390



0.7424, 1.4235, 0.2356

Inverse Universe

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



30.7296, 14.6911, 57.0954



51.6616, 24.5474, 96.6230



28.0010, 14.1015, 20.0544



11.5885, 11.3527, 14.1509



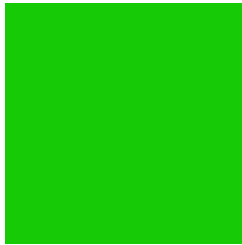
19.7089, 9.3679, 36.7257



1.0455, 0.4981, 1.8960

Previews

White Background



This preview shows how the XYZ color 21.4788, 42.4226, 7.1999 looks on a white background.

Color Contrast Check

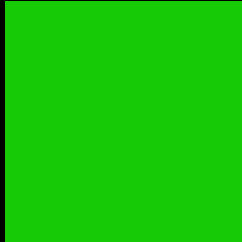
Large Text (above 18pt) WCAG AA × Fail

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 21.4788, 42.4226, 7.1999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

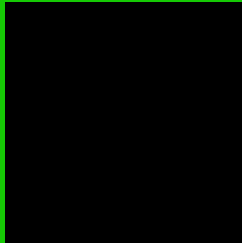
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.4788, 42.4226, 7.1999

Background



This preview shows how black text looks on a background with the XYZ color 21.4788, 42.4226, 7.1999.



This preview shows how white text looks on a background with the XYZ color 21.4788, 42.4226,

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

21.4788, 42.4226, 7.1999

Protanopia

37.4492, 41.4892, 6.0344

Deuteranopia

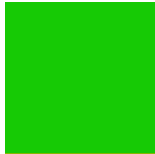
42.3454, 41.4845, 8.1583



Tritanopia

32.6932, 42.3045, 62.9424

Trichromacy



Original Color

21.4788, 42.4226, 7.1999



Protanomaly

26.6672, 39.1909, 6.2165



Deuteranomaly

28.0088, 38.0455, 7.0956



Tritanomaly

25.2166, 40.8354, 28.0257

Monochromacy



Original Color

21.4788, 42.4226, 7.1999



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.1031, 25.7951, 12.0602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4788, 42.4226, 7.1999 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(22, 202, 5)` looks like.

```
.text, #text, p{  
    color:rgb(22, 202, 5)  
}
```

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(22, 202, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 202, 5) }
```

Border

The CSS property to change the border of an element to XYZ 21.4788, 42.4226, 7.1999 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(22, 202, 5) }
```


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

```
.border{ border-color:rgb(22, 202, 5) }
```

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

Here you see how a box with a 4 pixel rgb(22, 202, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 202, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 202, 5);  
box-shadow:4px 4px 4px 4px rgb(22, 202, 5)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.4788, 42.4226, 7.1999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 202, 5) }
```

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

```
.background{ background-color: rgb(22, 202,  
5) }
```

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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