

Converting Colors

XYZ(21.0684, 42.1366, 7.0237)

Have a look what the booklet for
XYZ(21.0684, 42.1366, 7.0237)
contains.

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Color

**XYZ(21.1205, 42.2411,
7.0402)**

Conversions

Conversions Part 1

Format	Color
Hex	00CA00
RGB	0, 202, 0
RGB Percent	0%, 79%, 0%
CMY	1.0000, 0.2078, 0.9999
CMYK	1.00, 0.00, 1.00, 0.21
HSL	120°, 100%, 40%
HSV	120°, 100%, 79%
XYZ	21.1205, 42.2411, 7.0402
YIQ	118.5740, -55.5500, -105.6460

Conversions

Conversions Part 2

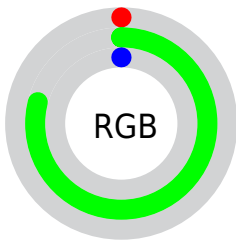
Format	Color
RYB	0, 202, 202
Decimal	51712
CIELab	71.04, -72.31, 69.79
CIELCh	71, 100.496, 136.016
Yxy	42.2411, 0.3000, 0.6000
Android (android.graphics.Color)	4278241792 (0xFF00CA00)
YUV	118.5740, -58.4570, -103.9894
Hunter-Lab	64.9932, -55.7318, 39.0728

Details

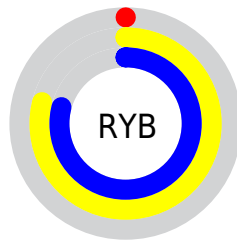
The XYZ color **21.1205, 42.2411, 7.0402** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **35.0165, 16.8204, 57.2659**, and the grayscale version is **17.5929, 18.5091, 20.1564**.

A 20% lighter version of the original color is **43.0709, 75.1173, 20.0136**, and **10.2789, 20.5578, 3.4263** is the 20% darker color. If you saturate the color by 10%, you get **21.1215, 42.2429, 7.0412**, and if you desaturate by 10%, it is **21.5423, 42.4450, 7.7295**.

Distribution



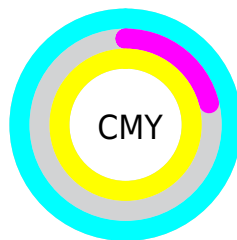
- Red (0%)
- Green (79%)
- Blue (0%)



- Red (0%)
- Yellow (79%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (21%)



- Cyan (100%)
- Magenta (21%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1205, 42.2411, 7.0402 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 21.1205, 42.2411, 7.0402 by changing the saturation by 10% instead.

■ 21.1205, 42.2411,
7.0402

■ 21.1205, 42.2411,
7.0402

250.6378,
355.4814, 177.6409

■ 13.3251, 29.2901,
3.4084

■ 44.7778, 78.5644,
20.5683

■ 7.7313, 19.3004,
1.3068

■ 61.3703, 102.7055,
31.3017

■ 3.9739, 11.8875,
0.0673

■ 81.6259, 131.3454,
45.2393

■ 1.6874, 6.6671,
0.0000

■ 105.9100,
164.8686, 62.7998

■ 0.4483, 3.2548,
0.0000

■ 134.5879,
203.6594, 84.4017

■ 0.0000, 1.2662,
0.0000

■ 168.0249,

■ 0.0000, 0.1148,

248.1022, 110.4635

0.0000

206.5864,
298.5814, 141.4037

■ 0.0000, 0.0000,
0.0000

■ 21.1205, 42.2411,
7.0402

■ 21.1205, 42.2411,
7.0402

■ 21.1215, 42.2429,
7.0412

■ 21.5423, 42.4450,
7.7295

■ 22.4023, 42.8581,
9.1368

■ 23.8535, 43.5551,
11.5109

■ 25.9761, 44.5747,
14.9831

■ 28.8381, 45.9495,
19.6647

■ 32.4991, 47.7081,
25.6530

■ 37.0128, 49.8762,
33.0357

■ 42.4280, 52.4774,
41.8929

■ 48.7899, 55.5334,
52.2983

Harmonies

Analogous

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



31.8886, 42.2411, 2.0805



21.1205, 42.2411, 7.0402



16.2734, 42.2411, 27.0827

Triad

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



21.1205, 42.2411, 7.0402



32.8459, 42.2411, 206.5489



79.8316, 42.2411, 24.9191

Complementary

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



21.1205, 42.2411, 7.0402



35.0165, 16.8204, 57.2659

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.



80.3009, 42.2411, 72.1312



21.1205, 42.2411, 7.0402



49.7251, 42.2411, 204.2487

Square

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



21.1205, 42.2411, 7.0402



21.6522, 42.2411, 149.6654



68.1267, 42.2411, 144.6342



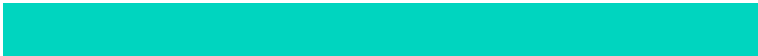
66.9821, 42.2411, 6.3977

Rectangle

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



21.1205, 42.2411, 7.0402



15.8508, 42.2411, 56.3737



68.1267, 42.2411, 144.6342



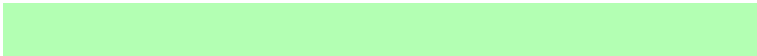
81.5431, 42.2411, 36.9726

Sweetspot

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



21.1215, 42.2429, 7.0412



62.3221, 84.2791, 55.3707



45.4796, 54.7999, 8.1804



12.6071, 17.6874, 10.6537



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.



21.1215, 42.2429, 7.0412



35.7602, 71.5201, 11.9209



23.4705, 43.1825, 19.4104



11.0681, 12.5370, 11.9162



13.5909, 27.1817, 4.5308



0.7012, 1.4023, 0.2338

Inverse Universe

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



35.0165, 16.8204, 57.2659



59.2852, 28.4781, 96.9547



26.7072, 13.4967, 13.5099



11.6875, 11.4038, 14.1552



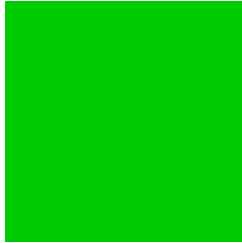
22.5318, 10.8233, 36.8485



1.1624, 0.5584, 1.9011

Previews

White Background



This preview shows how the XYZ color 21.1205, 42.2411, 7.0402 looks on a white background.

Color Contrast Check

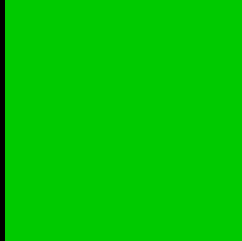
Large Text (above 18pt) WCAG AA × Fail

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 21.1205, 42.2411, 7.0402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

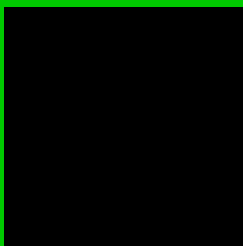
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

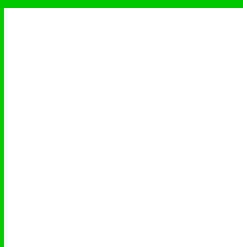
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1205, 42.2411, 7.0402

Background



This preview shows how black text looks on a background with the XYZ color 21.1205, 42.2411, 7.0402.



This preview shows how white text looks on a background with the XYZ color 21.1205, 42.2411,

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

21.1205, 42.2411, 7.0402

Protanopia

37.4492, 41.4892, 6.0344

Deuteranopia

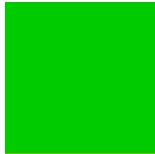
42.3454, 41.4845, 8.1583



Tritanopia

32.5090, 42.2095, 62.9338

Trichromacy



Original Color

21.1205, 42.2411, 7.0402



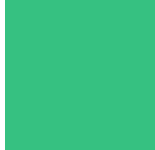
Protanomaly

25.4527, 38.5661, 6.1025



Deuteranomaly

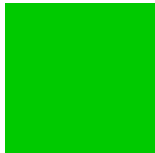
26.6112, 37.3279, 6.9011



Tritanomaly

24.5537, 40.5092, 27.2938

Monochromacy



Original Color

21.1205, 42.2411, 7.0402



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.0324, 23.5532, 10.5914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1205, 42.2411, 7.0402 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(0, 202, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 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(0, 202, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.1205, 42.2411, 7.0402 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(0, 202, 0) }
```


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

```
.border{ border-color:rgb(0, 202, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 202, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 202, 0); box-shadow:4px  
4px 4px 4px rgb(0, 202, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1205, 42.2411, 7.0402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 0) }
```

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

```
.background{ background-color: rgb(0, 202,  
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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