

Converting Colors

XYZ(21.1331, 42.0578, 7.0042)

Have a look what the booklet for
XYZ(21.1331, 42.0578, 7.0042)
contains.

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Color

**XYZ(21.0247, 41.8444,
6.9687)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 0BC900 |
| RGB | 11, 201, 0 |
| RGB Percent | 4%, 79%, 0% |
| CMY | 0.9568, 0.2118, 0.9999 |
| CMYK | 0.95, 0.00, 1.00, 0.21 |
| HSL | 117°, 100%, 39% |
| HSV | 117°, 100%, 79% |
| XYZ | 21.0247, 41.8444, 6.9687 |
| YIQ | 121.2760, -48.7190, -102.7910 |

Conversions

Conversions Part 2

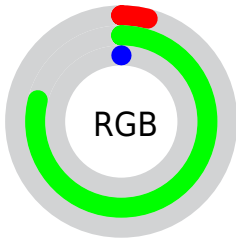
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 201, 190 |
| Decimal | 772352 |
| CIELab | 70.76, -71.59, 69.59 |
| CIELCh | 71, 99.841, 135.811 |
| Yxy | 41.8444, 0.3011, 0.5992 |
| Android (android.graphics.Color) | 4278962432 (0xFF0BC900) |
| YUV | 121.2760, -59.7891, -96.7121 |
| Hunter-Lab | 64.6872, -55.1865, 38.8938 |

Details

The XYZ color **21.0247, 41.8444, 6.9687** 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 **31.7840, 15.1677, 56.5129**, and the grayscale version is **18.4646, 19.4262, 21.1552**.

A 20% lighter version of the original color is **43.3086, 75.2399, 20.0247**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **21.0252, 41.8459, 6.9689**, and if you desaturate by 10%, it is **21.5505, 42.1020, 7.6583**.

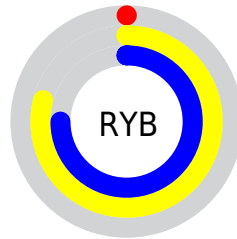
Distribution



Red (4%)

Green (79%)

Blue (0%)



Red (0%)

Yellow (79%)

Blue (75%)

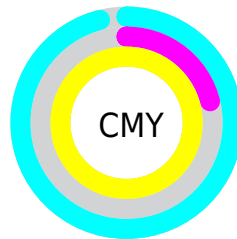


Cyan (95%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (96%)


Magenta (21%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0247, 41.8444, 6.9687 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 21.0247, 41.8444, 6.9687 by changing the saturation by 10% instead.


 21.0247, 41.8444,
6.9687


 21.0247, 41.8444,
6.9687


250.1390,
353.8375, 177.0244


 13.2546, 28.9795,
3.3644


 44.6196, 77.9641,
20.4220


 7.6823, 19.0653,
1.2836


 61.1751, 101.9876,
31.1081

 3.9424, 11.7175,
0.0483


 81.3899, 130.4995,
44.9918

 1.6696, 6.5516,
0.0000

 105.6292,
163.8841, 62.4918

 0.4371, 3.1833,
0.0000

 134.2584,
202.5258, 84.0265

 0.0000, 1.2282,
0.0000

 167.6428,

 0.0000, 0.0845,

246.8090, 110.0144

0.0000

206.1479,
297.1181, 140.8743

■ 0.0000, 0.0000,
0.0000

■ 21.0247, 41.8444,
6.9687

■ 21.0247, 41.8444,
6.9687

■ 21.0252, 41.8459,
6.9689

■ 21.5505, 42.1020,
7.6583

■ 22.5414, 42.5828,
9.0589

■ 24.0964, 43.3340,
11.4145

■ 26.2830, 44.3873,
14.8545

■ 29.1590, 45.7704,
19.4882

■ 32.7758, 47.5076,
25.4116

■ 37.1800, 49.6210,
32.7110

■ 42.4140, 52.1309,
41.4651

■ 48.5176, 55.0561,
51.7467

Harmonies

Analogous

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



31.7087, 41.8444, 2.0875



21.0247, 41.8444, 6.9687



16.1934, 41.8444, 26.6592

Triad

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



21.0247, 41.8444, 6.9687



32.4638, 41.8444, 203.5758



78.9667, 41.8444, 24.9513

Complementary

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



21.0247, 41.8444, 6.9687



31.7840, 15.1677, 56.5129

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.



79.3361, 41.8444, 71.7800



21.0247, 41.8444, 6.9687



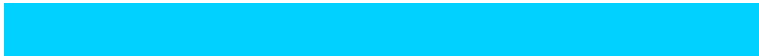
49.0976, 41.8444, 201.7673

Square

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



21.0247, 41.8444, 6.9687



21.4445, 41.8444, 147.2739



67.2637, 41.8444, 143.3162



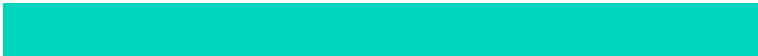
66.3623, 41.8444, 6.4592

Rectangle

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



21.0247, 41.8444, 6.9687



15.7536, 41.8444, 55.4366



67.2637, 41.8444, 143.3162



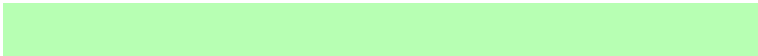
80.6235, 41.8444, 36.9347

Sweetspot

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



21.0257, 41.8461, 6.9696



63.2986, 84.7826, 55.4117



41.9874, 48.2159, 7.0943



12.8278, 17.8012, 10.6629



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.



21.0257, 41.8461, 6.9696



35.9401, 71.6128, 11.9284



22.6128, 42.4651, 16.0463



10.5502, 11.9151, 11.3065



13.2444, 26.3230, 4.3828



0.6463, 1.2563, 0.2084

Inverse Universe

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



31.7840, 15.1677, 56.5129



54.3484, 25.9325, 96.7487



27.1209, 13.6314, 17.0952



11.0237, 10.7860, 13.4184



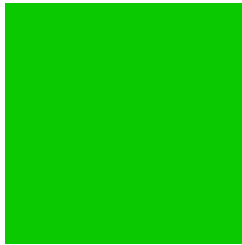
20.0091, 9.5493, 35.5330



0.9653, 0.4614, 1.6833

Previews

White Background



This preview shows how the XYZ color 21.0247, 41.8444, 6.9687 looks on a white background.

Color Contrast Check

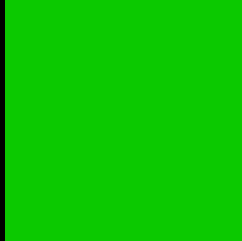
Large Text (above 18pt) WCAG AA × Fail

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 21.0247, 41.8444, 6.9687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

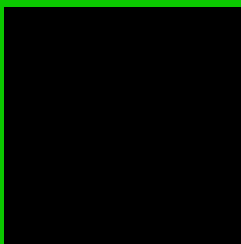
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

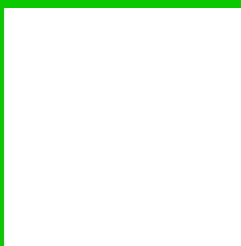
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0247, 41.8444, 6.9687

Background



This preview shows how black text looks on a background with the XYZ color 21.0247, 41.8444, 6.9687.



This preview shows how white text looks on a background with the XYZ color 21.0247, 41.8444,

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

21.0247, 41.8444, 6.9687

Protanopia

37.0007, 40.9744, 5.9587

Deuteranopia

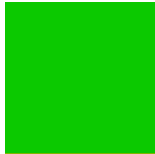
41.8707, 40.9752, 8.0850



Tritanopia

32.1773, 41.7362, 62.2371

Trichromacy



Original Color

21.0247, 41.8444, 6.9687



Protanomaly

25.6859, 38.3790, 6.0541



Deuteranomaly

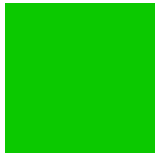
26.9162, 37.1908, 6.8585



Tritanomaly

24.5570, 40.1838, 27.2308

Monochromacy



Original Color

21.0247, 41.8444, 6.9687



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

15.6392, 24.0978, 10.8483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0247, 41.8444, 6.9687 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(11, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(11, 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(11, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 201, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.0247, 41.8444, 6.9687 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(11, 201, 0) }
```


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

```
.border{ border-color:rgb(11, 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(11, 201, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(11, 201, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.0247, 41.8444, 6.9687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 201, 0) }
```

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

```
.background{ background-color: rgb(11, 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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