

Converting Colors

CIELCh(44, 69.153, 136.266)

Have a look what the booklet for
CIELCh(44, 69.153, 136.266)
contains.

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Color

CIELCh(44, 69.228, 136.125)

Conversions

Conversions Part 1

Format	Color
Hex	007A01
RGB	0, 122, 1
RGB Percent	0%, 48%, 0%
CMY	1.0000, 0.5228, 0.9978
CMYK	1.00, 0.00, 1.00, 0.52
HSL	120°, 100%, 24%
HSV	120°, 100%, 48%
XYZ	6.9136, 13.8382, 2.3226
YIQ	71.7280, -33.8710, -63.4950

Conversions

Conversions Part 2

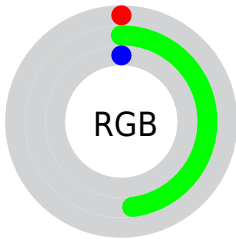
Format	Color
RYB	0, 121, 122
Decimal	31233
CIELab	44.00, -49.90, 47.98
CIElCh	44, 69.228, 136.125
Yxy	13.8382, 0.2996, 0.5997
Android (android.graphics.Color)	4278221313 (0xFF007A01)
YUV	71.7280, -34.8689, -62.9055
Hunter-Lab	37.1997, -31.9252, 22.3379

Details

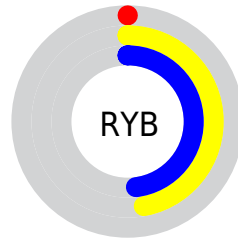
The CIELCh color **44, 69.228, 136.125** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **28, 66.617, 328.410**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 69.355, 136.294**, and **25, 47.485, 136.239** is the 20% darker color. If you saturate the color by 10%, you get **44, 69.182, 136.078**, and if you desaturate by 10%, it is **44, 66.352, 136.699**.

Distribution



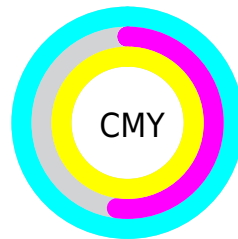
- Red (0%)
- Green (48%)
- Blue (0%)



- Red (0%)
- Yellow (47%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (52%)



- Cyan (100%)
- Magenta (52%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 69.228, 136.125 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 CIELCh color 44, 69.228, 136.125 by changing the saturation by 10% instead.


 44, 69.228,
136.125


 44, 69.228,
136.125


 100, 69.228,
136.125


 34, 69.228,
136.125

 64, 69.228,
136.125


 24, 69.228,
136.125

 74, 69.228,
136.125

 14, 69.228,
136.125

 84, 69.228,
136.125

 4, 69.228, 136.125

 94, 69.228,
136.125

 0, 69.228, 136.125

 44, 69.228,

 44, 69.228,

136.125

136.125

■ 44, 69.182,
136.078

■ 44, 66.352,
136.699

■ 44, 62.433,
137.518

■ 45, 57.000,
138.540

■ 45, 50.357,
139.636

■ 46, 42.821,
140.708

■ 47, 34.672,
141.698

■ 48, 26.145,
142.581

■ 49, 17.430,
143.351

Harmonies

Complementary

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



44, 69.228, 136.125



28, 66.617, 328.410

Rectangle

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



44, 69.228, 136.125



44, 69.228, 186.125



44, 69.228, 316.125



44, 69.228, 6.125

Sweetspot

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



44, 69.182, 136.078



61, 32.384, 142.520



49, 56.058, 102.852



31, 21.944, 142.233



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44, 69.182, 136.078



57, 83.702, 136.062



44, 50.570, 150.048



25, 4.907, 144.080



45, 70.511, 136.076



87, 118.795, 136.041

Inverse Universe

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



28, 66.617, 328.410



37, 80.560, 328.415



25, 49.184, 0.333



24, 4.915, 325.017



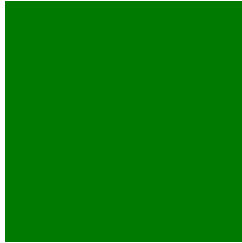
29, 67.894, 328.411



60, 114.268, 328.420

Previews

White Background



This preview shows how the CIELCh color 44, 69.228, 136.125 looks on a white background.

Color Contrast Check

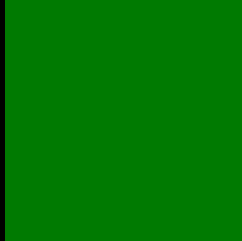
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 44, 69.228, 136.125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

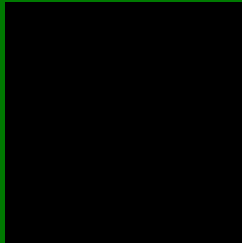
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 69.228, 136.125

Background



This preview shows how black text looks on a background with the CIELCh color 44, 69.228, 136.125.



This preview shows how white text looks on a background with the CIELCh color 44, 69.228, 136.125.

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


44, 69.228, 136.125

Protanopia

44, 50.578, 95.485

Deuteranopia

44, 43.990, 82.711



Tritanopia
44, 20.330, 212.879

Trichromacy



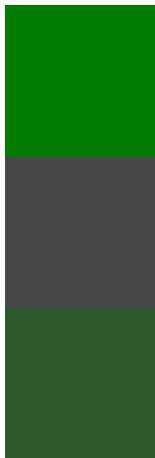
Original Color
44, 69.228, 136.125

Protanomaly
42, 55.223, 120.468

Deuteranomaly
42, 48.525, 116.994

Tritanomaly
43, 37.176, 157.924

Monochromacy



Original Color
44, 69.228, 136.125

Achromatopsia
30, 0.005, 296.813

Achromatomaly
34, 32.935, 140.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 69.228, 136.125 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, 122, 1)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 1)  
}
```

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, 122, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 69.228, 136.125 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, 122, 1) }
```

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

```
.border{ border-color:rgb(0, 122, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 122, 1); box-shadow:4px  
4px 4px 4px rgb(0, 122, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 69.228, 136.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 1) }
```

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

```
.background{ background-color: rgb(0, 122,  
1) }
```

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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