

Converting Colors

CIELCh(42, 60.932, 139.749)

Have a look what the booklet for
CIELCh(42, 60.932, 139.749)
contains.

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Color

CIELCh(42, 60.991, 139.813)

Conversions

Conversions Part 1

Format	Color
Hex	00741A
RGB	0, 116, 26
RGB Percent	0%, 45%, 10%
CMY	0.9989, 0.5462, 0.8992
CMYK	1.00, 0.00, 0.78, 0.55
HSL	133°, 100%, 23%
HSV	133°, 100%, 45%
XYZ	6.3991, 12.5000, 3.0354
YIQ	71.0560, -40.2460, -52.5820

Conversions

Conversions Part 2

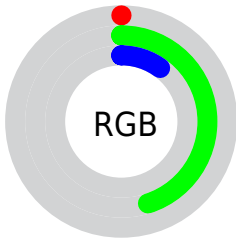
Format	Color
RYB	0, 95, 116
Decimal	29722
CIELab	42.00, -46.59, 39.36
CIELCh	42, 60.991, 139.813
Yxy	12.5000, 0.2917, 0.5699
Android (android.graphics.Color)	4278219802 (0xFF00741A)
YUV	71.0560, -22.2126, -62.3161
Hunter-Lab	35.3553, -29.5642, 19.6584

Details

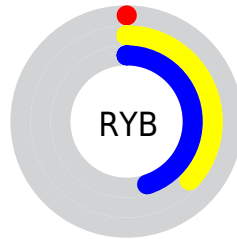
The CIELCh color **42, 60.991, 139.813** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **25, 54.717, 338.831**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 61.062, 139.887**, and **23, 44.989, 136.570** is the 20% darker color. If you saturate the color by 10%, you get **42, 61.076, 139.784**, and if you desaturate by 10%, it is **42, 57.247, 141.276**.

Distribution



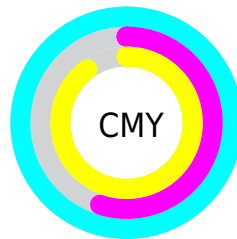
- Red (0%)
- Green (45%)
- Blue (10%)



- Red (0%)
- Yellow (37%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 60.991, 139.813 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 42, 60.991, 139.813 by changing the saturation by 10% instead.


 42, 60.991,
139.813


 42, 60.991,
139.813


 100, 60.991,
139.813


 32, 60.991,
139.813

 62, 60.991,
139.813


 22, 60.991,
139.813

 72, 60.991,
139.813

 12, 60.991,
139.813


 82, 60.991,
139.813

 2, 60.991, 139.813

 92, 60.991,
139.813

 0, 60.991, 139.813

 42, 60.991,

 42, 60.991,

139.813

139.813

■ 42, 61.076,
139.784

■ 42, 57.247,
141.276

■ 42, 52.783,
142.892

■ 43, 47.540,
144.419

■ 43, 41.639,
145.812

■ 44, 35.216,
147.055

■ 45, 28.411,
148.147

■ 46, 21.359,
149.100

■ 46, 14.180,
149.931

Harmonies

Complementary

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



42, 60.991, 139.813



25, 54.717, 338.831

Rectangle

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



42, 60.991, 139.813



42, 60.991, 189.813



42, 60.991, 319.813



42, 60.991, 9.813

Sweetspot

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



42, 60.991, 139.814



58, 26.696, 149.009



45, 55.531, 115.131



30, 18.335, 148.701



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 60.991, 139.814



54, 74.678, 139.303



43, 37.984, 164.209



24, 4.067, 150.714



44, 63.752, 139.669



86, 110.624, 138.685

Inverse Universe

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



25, 54.717, 338.831



34, 65.941, 339.194



23, 48.566, 19.893



23, 4.081, 331.756



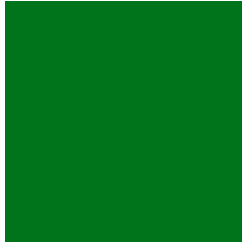
27, 56.952, 338.933



56, 95.732, 339.677

Previews

White Background



This preview shows how the CIELCh color 42, 60.991, 139.813 looks on a white background.

Color Contrast Check

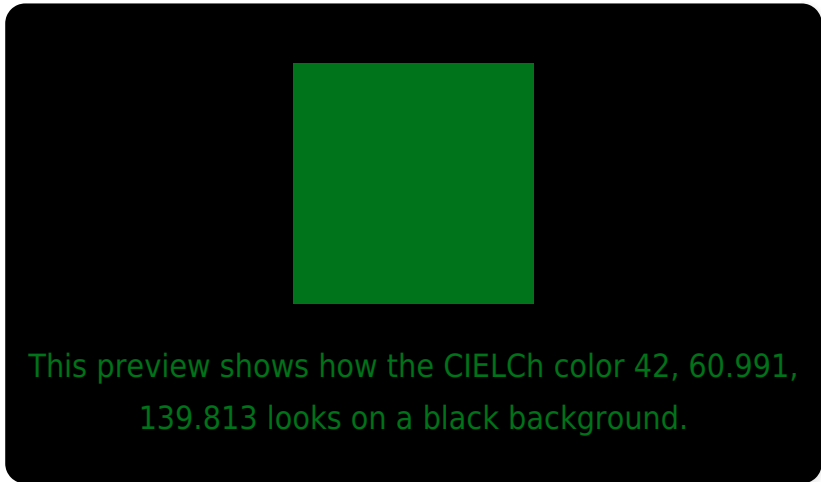
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

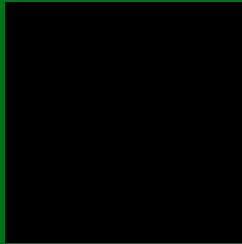
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 60.991, 139.813

Background



This preview shows how black text looks on a background with the CIELCh color 42, 60.991, 139.813.



This preview shows how white text looks on a background with the CIELCh color 42, 60.991, 139.813.

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


42, 61.051, 139.876

Protanopia

42, 42.933, 95.695

Deuteranopia

42, 37.704, 81.370



Tritanopia
42, 19.795, 213.442

Trichromacy



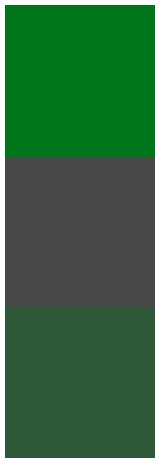
Original Color
42, 61.051, 139.876

Protanomaly
40, 47.236, 123.185

Deuteranomaly
40, 40.855, 119.711

Tritanomaly
42, 31.987, 165.156

Monochromacy



Original Color
42, 61.051, 139.876

Achromatopsia
30, 0.005, 296.813

Achromatomaly
33, 26.744, 148.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 60.991, 139.813 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, 116, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 26)  
}
```

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, 116, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 60.991, 139.813 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, 116, 26) }
```

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

```
.border{ border-color:rgb(0, 116, 26) }
```

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

Here you see how a box with a 4 pixel rgb(0, 116, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 26);  
box-shadow:4px 4px 4px 4px rgb(0, 116, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 60.991, 139.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 26) }
```

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

```
.background{ background-color: rgb(0, 116,  
26) }
```

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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