

Converting Colors

CIELCh(42, 59.596, 140.580)

Have a look what the booklet for
CIELCh(42, 59.596, 140.580)
contains.

CIELCh(42, 59.635, 140.670)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 59.635, 140.670)

Conversions

Conversions Part 1

Format	Color
Hex	01741E
RGB	1, 116, 30
RGB Percent	0%, 45%, 12%
CMY	0.9959, 0.5466, 0.8838
CMYK	0.99, 0.00, 0.74, 0.55
HSL	135°, 98%, 23%
HSV	135°, 99%, 45%
XYZ	6.4432, 12.5000, 3.2759
YIQ	71.8110, -40.9340, -51.1260

Conversions

Conversions Part 2

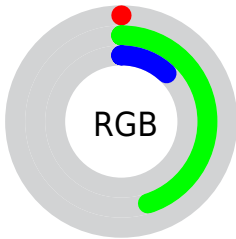
Format	Color
R_YB	1, 93, 116
Decimal	95262
CIE _{Lab}	42.00, -46.13, 37.80
CIE _{LCh}	42, 59.635, 140.670
Y _{xy}	12.5000, 0.2900, 0.5626
Android (android.graphics.Color)	4278285342 (0xFF01741E)
YUV	71.8110, -20.6128, -62.1012
Hunter-Lab	35.3553, -29.3419, 19.2552

Details

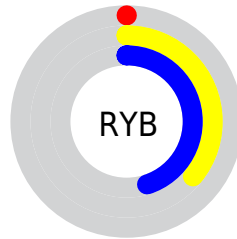
The CIELCh color **42, 59.635, 140.670** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **25, 53.480, 340.547**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 59.839, 140.690**, and **23, 44.989, 136.570** is the 20% darker color. If you saturate the color by 10%, you get **42, 59.956, 140.551**, and if you desaturate by 10%, it is **42, 55.816, 142.249**.

Distribution



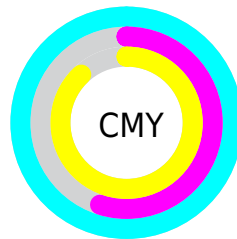
- Red (0%)
- Green (45%)
- Blue (12%)



- Red (0%)
- Yellow (36%)
- Blue (45%)



- Cyan (99%)
- Magenta (0%)
- Yellow (74%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 59.635, 140.670 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, 59.635, 140.670 by changing the saturation by 10% instead.


 42, 59.635,
140.670


 42, 59.635,
140.670


 100, 59.635,
140.670


 32, 59.635,
140.670

 62, 59.635,
140.670


 22, 59.635,
140.670

 72, 59.635,
140.670

 12, 59.635,
140.670

 82, 59.635,
140.670

 2, 59.635, 140.670

 92, 59.635,
140.670

 0, 59.635, 140.670

 42, 59.635,

 42, 59.635,

140.670

140.670

■ 42, 59.956,
140.551

■ 42, 55.816,
142.249

■ 42, 51.333,
143.922

■ 43, 46.128,
145.479

■ 43, 40.309,
146.888

■ 44, 34.000,
148.138

■ 45, 27.331,
149.235

■ 46, 20.430,
150.193

■ 47, 13.409,
151.030

Harmonies

Complementary

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



42, 59.635, 140.670



25, 53.480, 340.547

Rectangle

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



42, 59.635, 140.670



42, 59.635, 190.670



42, 59.635, 320.670



42, 59.635, 10.670

Sweetspot

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



42, 59.635, 140.670



58, 26.119, 150.042



45, 55.534, 115.970



30, 17.938, 149.730



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, 59.635, 140.670



54, 73.402, 140.038



43, 37.062, 165.706



24, 3.981, 151.777



44, 62.633, 140.428



86, 108.842, 139.372

Inverse Universe

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



25, 53.480, 340.547



33, 64.594, 341.059



23, 48.662, 21.070



23, 3.997, 332.843



27, 55.805, 340.747



56, 93.730, 341.639

Previews

White Background



This preview shows how the CIELCh color 42, 59.635, 140.670 looks on a white background.

Color Contrast Check

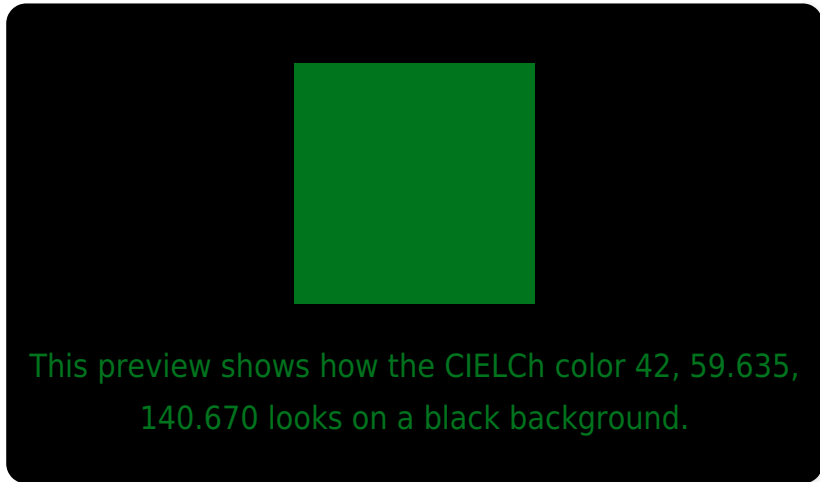
Large Text (above 18pt) WCAG AA ✓ Pass

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, 59.635, 140.670

Background



This preview shows how black text looks on a background with the CIELCh color 42, 59.635, 140.670.



This preview shows how white text looks on a background with the CIELCh color 42, 59.635, 140.670.

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, 59.695, 140.734

Protanopia

42, 41.410, 95.647

Deuteranopia

42, 36.072, 81.434



Tritanopia
42, 19.795, 213.442

Trichromacy



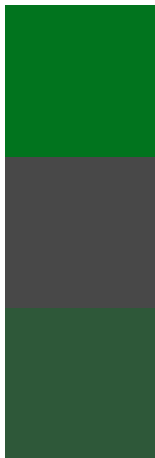
Original Color
42, 59.695, 140.734

Protanomaly
40, 45.770, 123.972

Deuteranomaly
40, 39.522, 120.383

Tritanomaly
42, 31.596, 166.026

Monochromacy



Original Color
42, 59.695, 140.734

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 26.225, 148.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 59.635, 140.670 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(1, 116, 30)` looks like.

```
.text, #text, p{  
    color:rgb(1, 116, 30)  
}
```

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(1, 116, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 116, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 59.635, 140.670 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(1, 116, 30) }
```

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

```
.border{ border-color:rgb(1, 116, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 116, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 116, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 116, 30);  
box-shadow:4px 4px 4px 4px rgb(1, 116, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 59.635, 140.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 116, 30) }
```

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

```
.background{ background-color: rgb(1, 116,  
30) }
```

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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