

Converting Colors

CIELCh(40, 61.986, 137.546)

Have a look what the booklet for
CIELCh(40, 61.986, 137.546)
contains.

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Color

CIELCh(40, 61.892, 137.478)

Conversions

Conversions Part 1

Format	Color
Hex	036E0C
RGB	3, 110, 12
RGB Percent	1%, 43%, 5%
CMY	0.9897, 0.5676, 0.9516
CMYK	0.98, 0.00, 0.89, 0.57
HSL	125°, 95%, 22%
HSV	125°, 98%, 43%
XYZ	5.7046, 11.2510, 2.2301
YIQ	66.8350, -32.3140, -53.1620

Conversions

Conversions Part 2

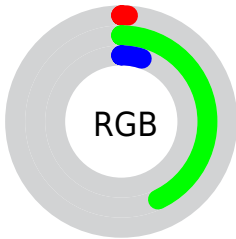
Format	Color
R_{YB}	3, 102, 110
Decimal	224780
CIE Lab	40.00, -45.62, 41.83
CIE LCh	40, 61.892, 137.478
Yxy	11.2510, 0.2973, 0.5864
Android (android.graphics.Color)	4278414860 (0xFF036E0C)
YUV	66.8350, -27.0337, -55.9833
Hunter-Lab	33.5425, -28.3416, 19.5378

Details

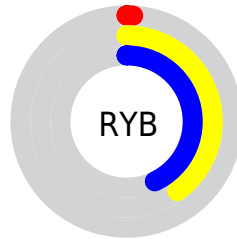
The CIELCh color **40, 61.892, 137.478** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **25, 57.717, 331.901**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 61.790, 137.477**, and **21, 42.369, 137.083** is the 20% darker color. If you saturate the color by 10%, you get **40, 62.542, 137.337**, and if you desaturate by 10%, it is **40, 58.576, 138.473**.

Distribution



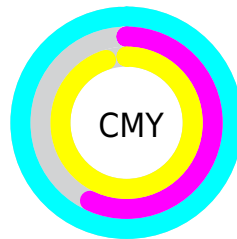
- Red (1%)
- Green (43%)
- Blue (5%)



- Red (1%)
- Yellow (40%)
- Blue (43%)



- Cyan (98%)
- Magenta (0%)
- Yellow (89%)
- Black (57%)




- Cyan (99%)
- Magenta (57%)
- Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 61.892, 137.478 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 40, 61.892, 137.478 by changing the saturation by 10% instead.


 40, 61.892,
137.478


 40, 61.892,
137.478


 100, 61.892,
137.478


 30, 61.892,
137.478

 60, 61.892,
137.478


 20, 61.892,
137.478

 70, 61.892,
137.478


 10, 61.892,
137.478

 80, 61.892,
137.478

 0, 61.892, 137.478

 90, 61.892,
137.478

 40, 61.892,

 40, 61.892,

137.478

137.478

■ 40, 62.542,
137.337

■ 40, 58.576,
138.473

■ 40, 54.157,
139.712

■ 41, 48.726,
140.979

■ 41, 42.493,
142.193

■ 42, 35.664,
143.306

■ 43, 28.425,
144.298

■ 44, 20.939,
145.166

■ 45, 13.341,
145.921

Harmonies

Complementary

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



40, 61.892, 137.478



25, 57.717, 331.901

Rectangle

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



40, 61.892, 137.478



40, 61.892, 187.478



40, 61.892, 317.478



40, 61.892, 7.478

Sweetspot

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



40, 61.892, 137.479



55, 27.166, 144.990



44, 51.869, 107.752



28, 18.495, 144.716



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 61.892, 137.479



51, 75.910, 137.020



41, 42.236, 155.348



23, 4.299, 146.496



43, 66.560, 137.221



85, 115.319, 136.627

Inverse Universe

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



25, 57.717, 331.901



33, 70.006, 332.107



22, 44.962, 6.630



22, 4.308, 327.447



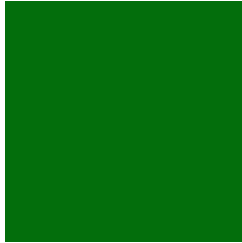
27, 61.755, 332.035



57, 105.059, 332.275

Previews

White Background



This preview shows how the CIELCh color 40, 61.892, 137.478 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 CIE LCh color 40, 61.892, 137.478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

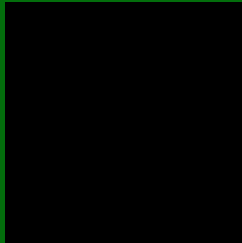
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 61.892, 137.478

Background



This preview shows how black text looks on a background with the CIELCh color 40, 61.892, 137.478.



This preview shows how white text looks on a background with the CIELCh color 40, 61.892, 137.478.

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
40, 61.829, 137.408

Protanopia
40, 45.729, 95.417

Deuteranopia
40, 39.374, 82.316



Tritanopia
40, 19.003, 212.344

Trichromacy



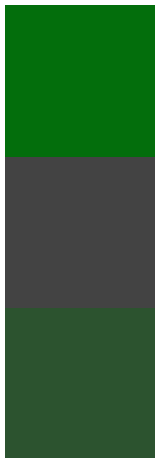
Original Color
40, 61.829, 137.408

Protanomaly
38, 49.440, 120.921

Deuteranomaly
38, 42.967, 117.361

Tritanomaly
40, 32.901, 160.743

Monochromacy



Original Color
40, 61.829, 137.408

Achromatopsia
28, 0.004, 296.813

Achromatomaly
32, 28.166, 143.165

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 61.892, 137.478 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(3, 110, 12)` looks like.

```
.text, #text, p{  
    color:rgb(3, 110, 12)  
}
```

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(3, 110, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 110, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 61.892, 137.478 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(3, 110, 12) }
```

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

```
.border{ border-color:rgb(3, 110, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 110, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 110, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 110, 12);  
box-shadow:4px 4px 4px 4px rgb(3, 110, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 61.892, 137.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 110, 12) }
```

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

```
.background{ background-color: rgb(3, 110,  
12) }
```

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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