

Converting Colors

CIELCh(40, 70.375, 146.013)

Have a look what the booklet for
CIELCh(40, 70.375, 146.013)
contains.

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Color

CIELCh(41, 62.142, 138.598)

Conversions

Conversions Part 1

Format	Color
Hex	007112
RGB	0, 113, 18
RGB Percent	0%, 44%, 7%
CMY	1.0000, 0.5564, 0.9296
CMYK	1.00, 0.00, 0.84, 0.56
HSL	130°, 100%, 22%
HSV	130°, 100%, 44%
XYZ	5.9992, 11.8645, 2.5444
YIQ	68.3830, -36.8530, -53.5010

Conversions

Conversions Part 2

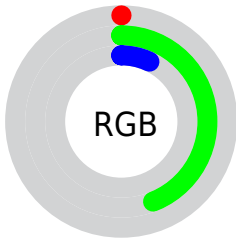
Format	Color
RYB	0, 97, 113
Decimal	28946
CIELab	41.00, -46.61, 41.10
CIELCh	41, 62.142, 138.598
Yxy	11.8645, 0.2940, 0.5814
Android (android.graphics.Color)	4278219026 (0xFF007112)
YUV	68.3830, -24.8388, -59.9719
Hunter-Lab	34.4449, -29.1895, 19.7318

Details

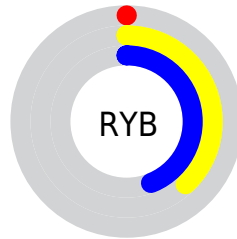
The CIELCh color **41, 62.142, 138.598** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **25, 56.340, 335.374**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 61.835, 138.429**, and **22, 43.432, 136.854** is the 20% darker color. If you saturate the color by 10%, you get **41, 62.009, 138.455**, and if you desaturate by 10%, it is **41, 58.512, 139.657**.

Distribution



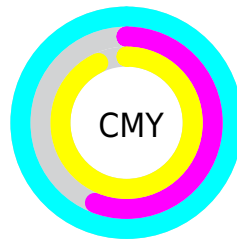
- Red (0%)
- Green (44%)
- Blue (7%)



- Red (0%)
- Yellow (38%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (84%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 62.142, 138.598 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 41, 62.142, 138.598 by changing the saturation by 10% instead.


 41, 62.142,
138.598

 41, 62.142,
138.598


 100, 62.142,
138.598


 31, 62.142,
138.598

 61, 62.142,
138.598


 21, 62.142,
138.598


 71, 62.142,
138.598


 11, 62.142,
138.598

 81, 62.142,
138.598

 1, 62.142, 138.598

 91, 62.142,
138.598

 0, 62.142, 138.598

 41, 62.142,

 41, 62.142,

138.598

138.598

■ 41, 62.009,
138.455

■ 41, 58.512,
139.657

■ 41, 54.151,
141.109

■ 42, 48.893,
142.531

■ 42, 42.897,
143.858

■ 43, 36.329,
145.056

■ 44, 29.350,
146.117

■ 44, 22.109,
147.044

■ 45, 14.736,
147.850

Harmonies

Complementary

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



41, 62.142, 138.598



25, 56.340, 335.374

Rectangle

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



41, 62.142, 138.598



41, 62.142, 188.598



41, 62.142, 318.598



41, 62.142, 8.598

Sweetspot

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



41, 62.009, 138.455



57, 27.539, 146.974



45, 53.957, 111.523



29, 18.649, 146.687



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



41, 62.009, 138.455



53, 76.008, 138.032



42, 40.512, 159.185



23, 4.096, 148.625



43, 64.783, 138.352



85, 112.873, 137.516

Inverse Universe

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



25, 56.340, 335.374



33, 68.155, 335.598



23, 46.781, 13.816



22, 4.107, 329.613



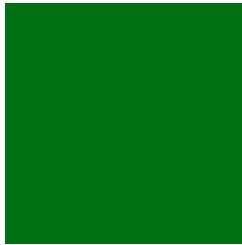
27, 58.673, 335.426



56, 99.538, 335.913

Previews

White Background



This preview shows how the CIELCh color 41, 62.142, 138.598 looks on a white background.

Color Contrast Check

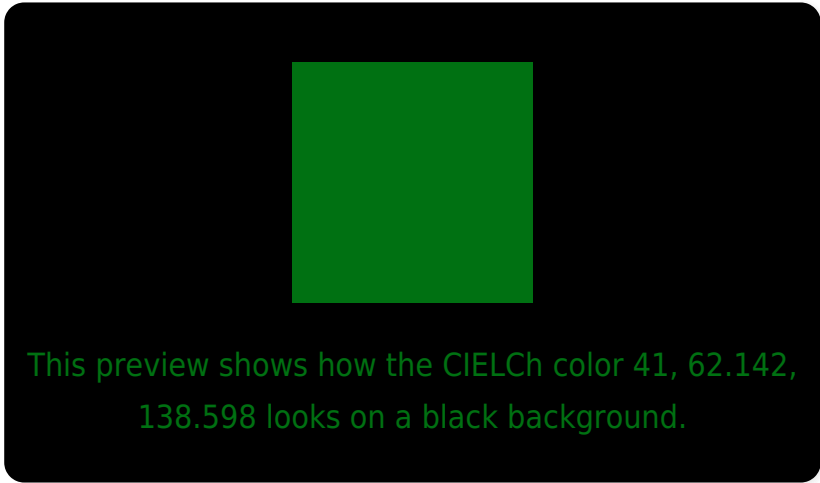
Large Text (above 18pt) WCAG AA ✓ Pass

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

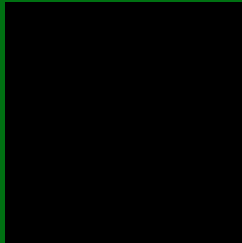
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 62.142, 138.598

Background



This preview shows how black text looks on a background with the CIELCh color 41, 62.142, 138.598.



This preview shows how white text looks on a background with the CIELCh color 41, 62.142, 138.598.

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


41, 61.948, 138.466

Protanopia

41, 44.736, 95.604

Deuteranopia

41, 38.891, 82.424



Tritanopia
41, 19.302, 213.967

Trichromacy



Original Color
41, 61.948, 138.466



Protanomaly
40, 49.035, 122.242



Deuteranomaly
39, 42.522, 118.892

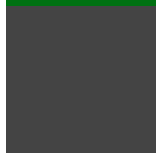


Tritanomaly
41, 32.419, 162.884

Monochromacy



Original Color
41, 61.948, 138.466



Achromatopsia
29, 0.005, 296.813



Achromatomaly
32, 27.602, 145.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 62.142, 138.598 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, 113, 18)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 18)  
}
```

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, 113, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 62.142, 138.598 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, 113, 18) }
```

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

```
.border{ border-color:rgb(0, 113, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 18);  
box-shadow:4px 4px 4px 4px rgb(0, 113, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 62.142, 138.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 18) }
```

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

```
.background{ background-color: rgb(0, 113,  
18) }
```

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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