

Converting Colors

CIELCh(42, 64.613, 137.229)

Have a look what the booklet for
CIELCh(42, 64.613, 137.229)
contains.

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Color

CIELCh(42, 64.745, 137.201)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 02740B |
| RGB | 2, 116, 11 |
| RGB Percent | 1%, 45%, 4% |
| CMY | 0.9933, 0.5455, 0.9575 |
| CMYK | 0.99, 0.00, 0.91, 0.55 |
| HSL | 125°, 97%, 23% |
| HSV | 125°, 99%, 45% |
| XYZ | 6.3134, 12.5000, 2.3915 |
| YIQ | 69.9440, -34.2390, -56.8230 |

Conversions

Conversions Part 2

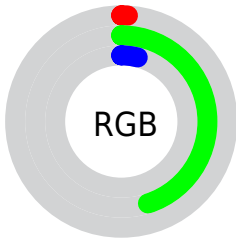
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 2, 108, 116 |
| Decimal | 160779 |
| CIE _{Lab} | 42.00, -47.51, 43.99 |
| CIE _{LCh} | 42, 64.745, 137.201 |
| Yxy | 12.5000, 0.2977, 0.5895 |
| Android (android.graphics.Color) | 4278350859 (0xFF02740B) |
| YUV | 69.9440, -29.0594, -59.5869 |
| Hunter-Lab | 35.3553, -29.9970, 20.7382 |

Details

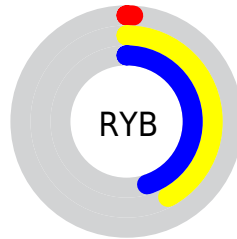
The CIELCh color **42, 64.745, 137.201** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **26, 60.472, 331.489**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 64.695, 137.071**, and **23, 44.989, 136.570** is the 20% darker color. If you saturate the color by 10%, you get **42, 65.134, 137.124**, and if you desaturate by 10%, it is **42, 61.539, 138.102**.

Distribution



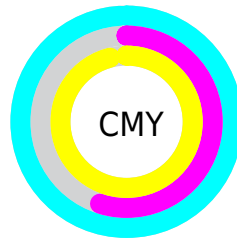
- Red (1%)
- Green (45%)
- Blue (4%)



- Red (1%)
- Yellow (42%)
- Blue (45%)



- Cyan (99%)
- Magenta (0%)
- Yellow (91%)
- Black (55%)





- Cyan (99%)
- Magenta (55%)
- Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 64.745, 137.201 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, 64.745, 137.201 by changing the saturation by 10% instead.


 42, 64.745,
137.201


 42, 64.745,
137.201


 100, 64.745,
137.201


 32, 64.745,
137.201

 62, 64.745,
137.201


 22, 64.745,
137.201

 72, 64.745,
137.201

 12, 64.745,
137.201

 82, 64.745,
137.201

 2, 64.745, 137.201

 92, 64.745,
137.201

 0, 64.745, 137.201

 42, 64.745,

 42, 64.745,

137.201

137.201

■ 42, 65.134,
137.124

■ 42, 61.539,
138.102

■ 42, 57.128,
139.297

■ 43, 51.594,
140.548

■ 43, 45.169,
141.764

■ 44, 38.076,
142.888

■ 45, 30.523,
143.894

■ 46, 22.689,
144.776

■ 47, 14.721,
145.544

Harmonies

Complementary

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



42, 64.745, 137.201



26, 60.472, 331.489

Rectangle

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



42, 64.745, 137.201



42, 64.745, 187.201



42, 64.745, 317.201



42, 64.745, 7.201

Sweetspot

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



42, 64.745, 137.202



58, 29.536, 144.589



47, 53.924, 106.805



30, 20.286, 144.299



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, 64.745, 137.202



54, 79.191, 136.845



43, 44.956, 154.063



24, 4.495, 146.182



44, 67.839, 137.058



86, 116.508, 136.525

Inverse Universe

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



26, 60.472, 331.489



35, 73.293, 331.635



24, 46.829, 5.694



23, 4.504, 327.137



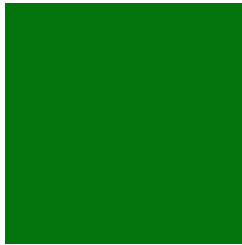
28, 63.185, 331.564



58, 106.764, 331.766

Previews

White Background



This preview shows how the CIELCh color 42, 64.745, 137.201 looks on a white background.

Color Contrast Check

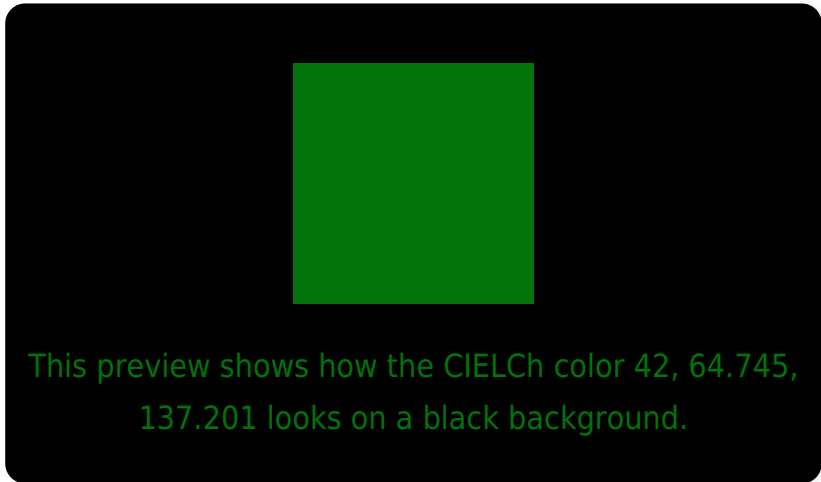
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.745, 137.201

Background



This preview shows how black text looks on a background with the CIELCh color 42, 64.745, 137.201.



This preview shows how white text looks on a background with the CIELCh color 42, 64.745, 137.201.

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, 64.745, 137.201

Protanopia

42, 48.897, 95.162

Deuteranopia

42, 41.198, 82.710



Tritanopia
42, 19.545, 211.794

Trichromacy



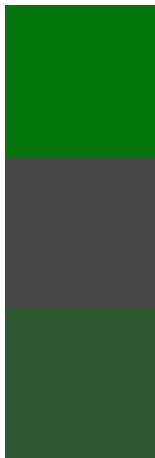
Original Color
42, 64.745, 137.201

Protanomaly
40, 52.235, 120.226

Deuteranomaly
40, 45.078, 117.153

Tritanomaly
42, 34.261, 160.180

Monochromacy



Original Color
42, 64.745, 137.201

Achromatopsia
30, 0.005, 296.813

Achromatomaly
33, 30.149, 142.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 64.745, 137.201 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(2, 116, 11)` looks like.

```
.text, #text, p{  
    color:rgb(2, 116, 11)  
}
```

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(2, 116, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 116, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 64.745, 137.201 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(2, 116, 11) }
```

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

```
.border{ border-color:rgb(2, 116, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 116, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 116, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 116, 11);  
box-shadow:4px 4px 4px 4px rgb(2, 116, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 64.745, 137.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 116, 11) }
```

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

```
.background{ background-color: rgb(2, 116,  
11) }
```

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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