

Converting Colors

CIELCh(42, 63.688, 136.673)

Have a look what the booklet for
CIELCh(42, 63.688, 136.673)
contains.

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Color

CIELCh(42, 63.908, 136.619)

Conversions

Conversions Part 1

Format	Color
Hex	0C740B
RGB	12, 116, 11
RGB Percent	5%, 45%, 4%
CMY	0.9529, 0.5467, 0.9553
CMYK	0.90, 0.00, 0.90, 0.55
HSL	120°, 82%, 25%
HSV	120°, 90%, 45%
XYZ	6.4129, 12.5000, 2.4037
YIQ	72.9340, -28.2790, -54.7030

Conversions

Conversions Part 2

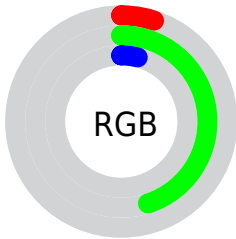
Format	Color
R_{YB}	11, 116, 115
Decimal	816139
CIE _{Lab}	42.00, -46.45, 43.89
CIE _{LCh}	42, 63.908, 136.619
Yxy	12.5000, 0.3008, 0.5864
Android (android.graphics.Color)	4279006219 (0xFF0C740B)
YUV	72.9340, -30.5335, -53.4391
Hunter-Lab	35.3553, -29.4950, 20.7178

Details

The CIELCh color **42, 63.908, 136.619** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **27, 62.082, 327.901**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 64.190, 136.459**, and **23, 44.989, 136.570** is the 20% darker color. If you saturate the color by 10%, you get **42, 66.746, 135.974**, and if you desaturate by 10%, it is **42, 60.113, 137.398**.

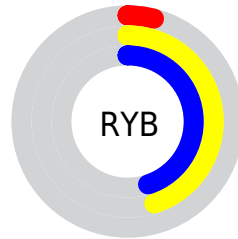
Distribution



Red (5%)

Green (45%)

Blue (4%)



Red (4%)

Yellow (45%)

Blue (45%)

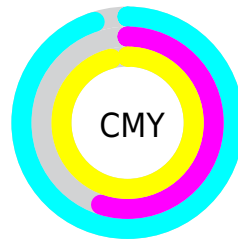


Cyan (90%)

Magenta (0%)

Yellow (90%)

Black (55%)



Cyan (95%)


Magenta (55%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 63.908, 136.619 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, 63.908, 136.619 by changing the saturation by 10% instead.


 42, 63.908,
136.619


 42, 63.908,
136.619


 100, 63.908,
136.619


 32, 63.908,
136.619

 62, 63.908,
136.619


 22, 63.908,
136.619

 72, 63.908,
136.619

 12, 63.908,
136.619

 82, 63.908,
136.619

 2, 63.908, 136.619

 92, 63.908,
136.619

 0, 63.908, 136.619

 42, 63.908,

 42, 63.908,

136.619

136.619

■ 42, 66.746,
135.974

■ 42, 60.113,
137.398

■ 43, 54.870,
138.382

■ 43, 48.472,
139.445

■ 44, 41.223,
140.491

■ 44, 33.394,
141.460

■ 45, 25.206,
142.327

■ 46, 16.841,
143.085

■ 47, 8.438, 143.746

Harmonies

Complementary

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



42, 63.908, 136.619



27, 62.082, 327.901

Rectangle

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



42, 63.908, 136.619



42, 63.908, 186.619



42, 63.908, 316.619



42, 63.908, 6.619

Sweetspot

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



42, 63.908, 136.620



58, 28.042, 142.521



47, 51.005, 102.220



30, 19.034, 142.311



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, 63.908, 136.620



54, 80.768, 135.985



42, 46.170, 151.256



24, 4.741, 143.812



44, 69.538, 135.977



86, 117.932, 136.000

Inverse Universe

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



27, 62.082, 327.901



35, 77.979, 328.007



25, 45.950, 355.658



23, 4.749, 324.733



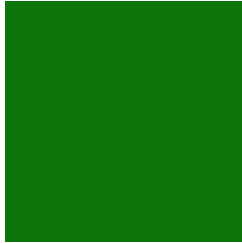
28, 67.145, 328.011



59, 113.838, 327.999

Previews

White Background



This preview shows how the CIELCh color 42, 63.908, 136.619 looks on a white background.

Color Contrast Check

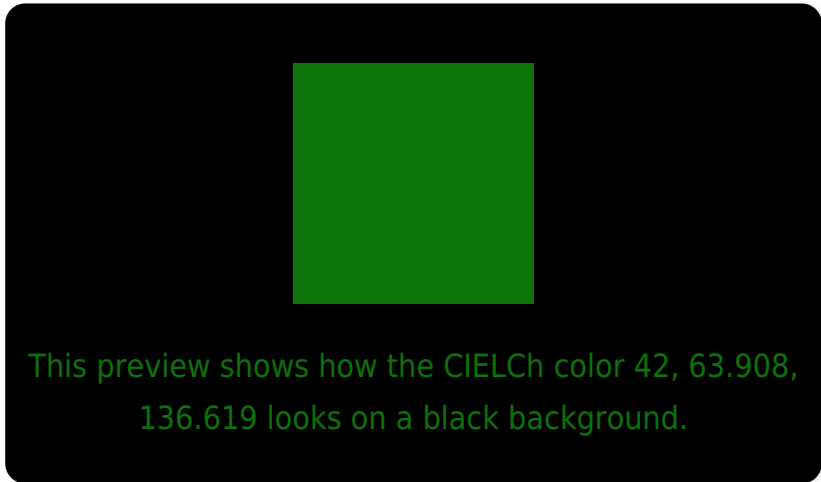
Large Text (above 18pt) WCAG AA ✓ Pass

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

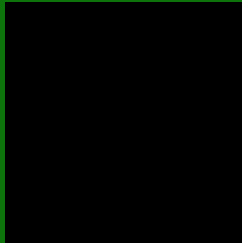
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 63.908, 136.619

Background



This preview shows how black text looks on a background with the CIELCh color 42, 63.908, 136.619.



This preview shows how white text looks on a background with the CIELCh color 42, 63.908, 136.619.

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, 64.169, 136.566

Protanopia

42, 48.897, 95.162

Deuteranopia

42, 41.198, 82.710



Tritanopia
42, 19.343, 213.891

Trichromacy



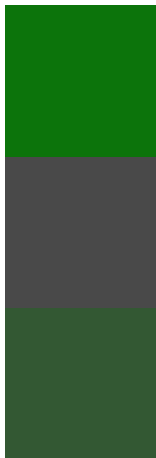
Original Color
42, 64.169, 136.566

Protanomaly
41, 51.668, 118.400

Deuteranomaly
40, 44.737, 115.443

Tritanomaly
41, 32.997, 159.960

Monochromacy



Original Color
42, 64.169, 136.566

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 27.978, 141.538

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 63.908, 136.619 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(12, 116, 11)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 116, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 116, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 63.908, 136.619 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(12, 116, 11) }
```

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

```
.border{ border-color:rgb(12, 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(12, 116, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 116, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 116, 11);  
box-shadow:4px 4px 4px 4px rgb(12, 116,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 63.908, 136.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 116, 11) }
```

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

```
.background{ background-color: rgb(12, 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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