

Converting Colors

CIELCh(42, 58.932, 139.579)

Have a look what the booklet for
CIELCh(42, 58.932, 139.579)
contains.

CIELCh(42, 58.748, 139.695)	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, 58.748, 139.695)

Conversions

Conversions Part 1

Format	Color
Hex	0E731D
RGB	14, 115, 29
RGB Percent	5%, 45%, 11%
CMY	0.9432, 0.5481, 0.8854
CMYK	0.87, 0.00, 0.75, 0.55
HSL	129°, 78%, 25%
HSV	129°, 87%, 45%
XYZ	6.5697, 12.5000, 3.2435
YIQ	74.9970, -32.5900, -48.1580

Conversions

Conversions Part 2

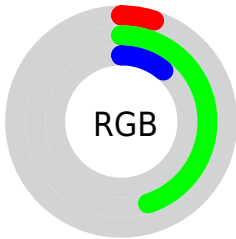
Format	Color
R_{YB}	14, 102, 115
Decimal	946973
CIE _{Lab}	42.00, -44.80, 38.00
CIE _{LCh}	42, 58.748, 139.695
Yxy	12.5000, 0.2944, 0.5602
Android (android.graphics.Color)	4279137053 (0xFF0E731D)
YUV	74.9970, -22.6765, -53.4944
Hunter-Lab	35.3553, -28.7029, 19.3095

Details

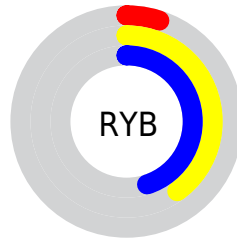
The CIELCh color **42, 58.748, 139.695** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **26, 55.189, 333.931**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 58.585, 139.903**, and **23, 44.475, 136.657** is the 20% darker color. If you saturate the color by 10%, you get **42, 62.423, 138.422**, and if you desaturate by 10%, it is **42, 54.095, 141.117**.

Distribution



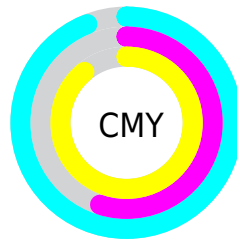
- Red (5%)
- Green (45%)
- Blue (11%)



- Red (5%)
- Yellow (40%)
- Blue (45%)



- Cyan (87%)
- Magenta (0%)
- Yellow (75%)
- Black (55%)





- Cyan (94%)
- Magenta (55%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 58.748, 139.695 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, 58.748, 139.695 by changing the saturation by 10% instead.


 42, 58.748,
139.695


 42, 58.748,
139.695


 100, 58.748,
139.695


 32, 58.748,
139.695

 62, 58.748,
139.695


 22, 58.748,
139.695

 72, 58.748,
139.695

 12, 58.748,
139.695

 82, 58.748,
139.695

 2, 58.748, 139.695

 92, 58.748,
139.695

 0, 58.748, 139.695

 42, 58.748,

 42, 58.748,

139.695

■ 42, 62.423,
138.422

■ 42, 63.243,
138.182

139.695

■ 42, 54.095,
141.117

■ 43, 48.538,
142.501

■ 43, 42.251,
143.788

■ 44, 35.409,
144.947

■ 45, 28.180,
145.970

■ 45, 20.716,
146.862

■ 46, 13.145,
147.638

■ 48, 5.572, 148.323

Harmonies

Complementary

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



42, 58.748, 139.695



26, 55.189, 333.931

Rectangle

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



42, 58.748, 139.695



42, 58.748, 189.695



42, 58.748, 319.695



42, 58.748, 9.695

Sweetspot

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



42, 58.748, 139.696



59, 24.436, 146.924



46, 51.244, 110.454



30, 16.689, 146.697



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, 58.748, 139.696



54, 77.415, 137.788



43, 38.662, 160.406



24, 4.290, 148.215



44, 66.194, 138.081



86, 114.307, 137.314

Inverse Universe

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



26, 55.189, 333.931



34, 69.655, 334.936



24, 44.074, 7.296



23, 4.301, 329.206



27, 60.106, 334.787



57, 101.290, 335.212

Previews

White Background



This preview shows how the CIELCh color 42, 58.748, 139.695 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 CIELCh color 42, 58.748, 139.695 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 42, 58.748, 139.695

Background



This preview shows how black text looks on a background with the CIELCh color 42, 58.748, 139.695.



This preview shows how white text looks on a background with the CIELCh color 42, 58.748, 139.695.

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, 58.748, 139.695

Protanopia
42, 41.410, 95.647

Deuteranopia
42, 36.072, 81.434



Tritanopia
42, 19.343, 213.891

Trichromacy



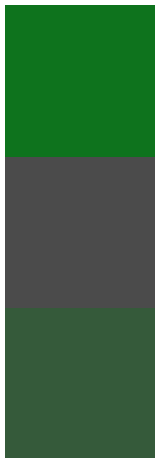
Original Color
42, 58.748, 139.695

Protanomaly
41, 44.995, 121.452

Deuteranomaly
40, 38.900, 117.198

Tritanomaly
41, 30.564, 164.985

Monochromacy



Original Color
42, 58.748, 139.695

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 25.414, 145.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 58.748, 139.695 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(14, 115, 29)` looks like.

```
.text, #text, p{  
    color:rgb(14, 115, 29)  
}
```

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(14, 115, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 115, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 58.748, 139.695 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(14, 115, 29) }
```

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

```
.border{ border-color:rgb(14, 115, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 115, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 115, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 115, 29);  
box-shadow:4px 4px 4px 4px rgb(14, 115,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 58.748, 139.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 115, 29) }
```

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

```
.background{ background-color: rgb(14, 115,  
29) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor