

Converting Colors

CIELCh(42, 64.659, 141.279)

Have a look what the booklet for
CIELCh(42, 64.659, 141.279)
contains.

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Color

CIELCh(42, 62.700, 139.004)

Conversions

Conversions Part 1

Format	Color
Hex	007415
RGB	0, 116, 21
RGB Percent	0%, 45%, 8%
CMY	1.0000, 0.5455, 0.9186
CMYK	1.00, 0.00, 0.82, 0.55
HSL	131°, 100%, 23%
HSV	131°, 100%, 45%
XYZ	6.3305, 12.5000, 2.7766
YIQ	70.4860, -38.6410, -54.1370

Conversions

Conversions Part 2

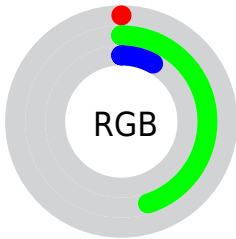
Format	Color
RYB	0, 98, 116
Decimal	29717
CIELab	42.00, -47.32, 41.13
CIELCh	42, 62.700, 139.004
Yxy	12.5000, 0.2930, 0.5785
Android (android.graphics.Color)	4278219797 (0xFF007415)
YUV	70.4860, -24.3966, -61.8162
Hunter-Lab	35.3553, -29.9106, 20.0924

Details

The CIELCh color **42, 62.700, 139.004** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **25, 56.458, 336.494**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 62.503, 138.675**, and **23, 44.989, 136.570** is the 20% darker color. If you saturate the color by 10%, you get **42, 62.534, 138.828**, and if you desaturate by 10%, it is **42, 58.920, 140.126**.

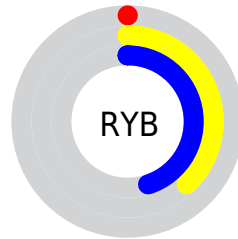
Distribution



Red (0%)

Green (45%)

Blue (8%)



Red (0%)

Yellow (38%)

Blue (45%)

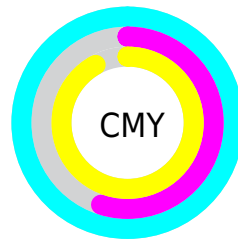


Cyan (100%)

Magenta (0%)

Yellow (82%)

Black (55%)



Cyan (100%)


Magenta (55%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 62.700, 139.004 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, 62.700, 139.004 by changing the saturation by 10% instead.


 42, 62.700,
139.004


 42, 62.700,
139.004


 100, 62.700,
139.004


 32, 62.700,
139.004

 62, 62.700,
139.004


 22, 62.700,
139.004

 72, 62.700,
139.004

 12, 62.700,
139.004

 82, 62.700,
139.004

 2, 62.700, 139.004

 92, 62.700,
139.004

 0, 62.700, 139.004

 42, 62.700,

 42, 62.700,

139.004

139.004

■ 42, 62.534,
138.828

■ 42, 58.920,
140.126

■ 42, 54.474,
141.641

■ 43, 49.158,
143.105

■ 43, 43.118,
144.460

■ 44, 36.513,
145.678

■ 45, 29.500,
146.754

■ 46, 22.223,
147.693

■ 46, 14.813,
148.510

Harmonies

Complementary

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



42, 62.700, 139.004



25, 56.458, 336.494

Rectangle

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



42, 62.700, 139.004



42, 62.700, 189.004



42, 62.700, 319.004



42, 62.700, 9.004

Sweetspot

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



42, 62.534, 138.828



58, 27.517, 147.626



46, 55.069, 112.464



30, 18.900, 147.323



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, 62.534, 138.828



54, 76.293, 138.400



43, 40.454, 160.310



24, 4.190, 149.292



44, 65.184, 138.727



86, 112.827, 137.857

Inverse Universe

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



25, 56.458, 336.494



34, 67.958, 336.746



23, 47.830, 15.508



23, 4.202, 330.303



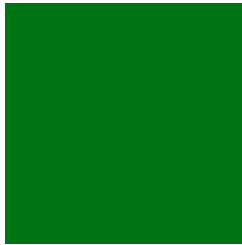
27, 58.666, 336.551



57, 98.744, 337.108

Previews

White Background



This preview shows how the CIELCh color 42, 62.700, 139.004 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, 62.700, 139.004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

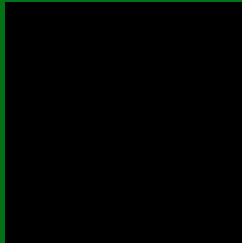
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 62.700, 139.004

Background



This preview shows how black text looks on a background with the CIELCh color 42, 62.700, 139.004.



This preview shows how white text looks on a background with the CIELCh color 42, 62.700, 139.004.

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, 62.518, 138.867

Protanopia

42, 44.698, 95.093

Deuteranopia

42, 39.061, 81.929



Tritanopia
42, 19.795, 213.442

Trichromacy



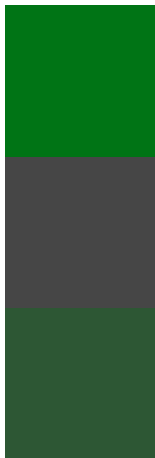
Original Color
42, 62.518, 138.867

Protanomaly
40, 48.880, 122.342

Deuteranomaly
40, 42.542, 118.902

Tritanomaly
42, 32.781, 163.477

Monochromacy



Original Color
42, 62.518, 138.867

Achromatopsia
30, 0.005, 296.813

Achromatomaly
33, 28.197, 145.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 62.700, 139.004 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, 116, 21)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 21)  
}
```

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, 116, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 62.700, 139.004 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, 116, 21) }
```

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

```
.border{ border-color:rgb(0, 116, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 21);  
box-shadow:4px 4px 4px 4px rgb(0, 116, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 62.700, 139.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 21) }
```

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

```
.background{ background-color: rgb(0, 116,  
21) }
```

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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