

Converting Colors

CIELCh(42, 81.729, 125.302)

Have a look what the booklet for
CIELCh(42, 81.729, 125.302)
contains.

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Color

CIELCh(42, 64.887, 133.639)

Conversions

Conversions Part 1

Format	Color
Hex	1B7300
RGB	27, 115, 0
RGB Percent	11%, 45%, 0%
CMY	0.8958, 0.5488, 1.0000
CMYK	0.77, 0.00, 1.00, 0.55
HSL	106°, 100%, 23%
HSV	106°, 100%, 45%
XYZ	6.5719, 12.5000, 2.0310
YIQ	75.5780, -15.5330, -54.4210

Conversions

Conversions Part 2

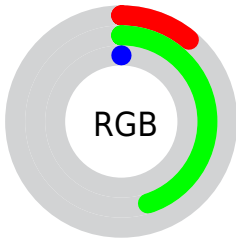
Format	Color
RYB	0, 115, 88
Decimal	1798912
CIELab	42.00, -44.78, 46.96
CIELCh	42, 64.887, 133.639
Yxy	12.5000, 0.3114, 0.5923
Android (android.graphics.Color)	4279988992 (0xFF1B7300)
YUV	75.5780, -37.2600, -42.6029
Hunter-Lab	35.3553, -28.6919, 21.3428

Details

The CIELCh color **42, 64.887, 133.639** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **21, 65.662, 319.956**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 64.761, 133.619**, and **23, 44.475, 136.657** is the 20% darker color. If you saturate the color by 10%, you get **42, 64.635, 133.789**, and if you desaturate by 10%, it is **42, 61.316, 133.788**.

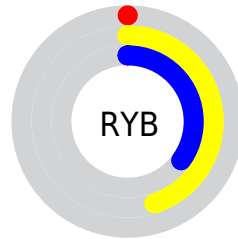
Distribution



Red (11%)

Green (45%)

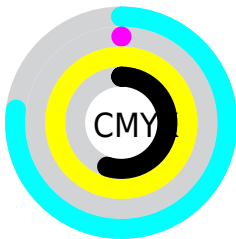
Blue (0%)



Red (0%)

Yellow (45%)

Blue (35%)

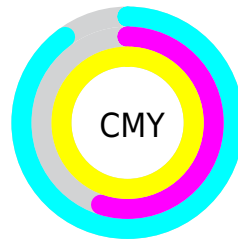


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (90%)


Magenta (55%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 64.887, 133.639 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, 64.887, 133.639 by changing the saturation by 10% instead.


 42, 64.887,
133.639


 42, 64.887,
133.639


 100, 64.887,
133.639


 32, 64.887,
133.639

 62, 64.887,
133.639


 22, 64.887,
133.639

 72, 64.887,
133.639

 12, 64.887,
133.639


 82, 64.887,
133.639

 2, 64.887, 133.639

 92, 64.887,
133.639

 0, 64.887, 133.639

 42, 64.887,

 42, 64.887,

133.639

133.639

■ 42, 64.635,
133.789

■ 42, 61.316,
133.788

■ 43, 57.113,
133.826

■ 43, 51.683,
134.154

■ 44, 45.329,
134.661

■ 44, 38.334,
135.249

■ 45, 30.926,
135.854

■ 46, 23.275,
136.436

■ 46, 15.511,
136.975

Harmonies

Complementary

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



42, 64.887, 133.639



21, 65.662, 319.956

Rectangle

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



42, 64.887, 133.639



42, 64.887, 183.639



42, 64.887, 313.639



42, 64.887, 3.639

Sweetspot

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



42, 64.635, 133.789



59, 28.990, 136.392



39, 47.021, 85.780



30, 19.917, 136.200



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, 64.635, 133.789



54, 78.751, 134.083



42, 59.071, 141.046



24, 4.416, 137.511



45, 67.622, 133.865



87, 115.504, 134.447

Inverse Universe

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



21, 65.662, 319.956



29, 79.778, 319.757



25, 52.835, 341.747



23, 4.443, 318.227



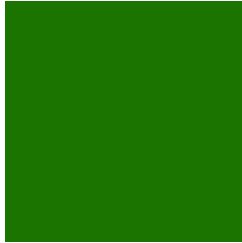
23, 68.647, 319.906



50, 116.612, 319.485

Previews

White Background



This preview shows how the CIELCh color 42, 64.887, 133.639 looks on a white background.

Color Contrast Check

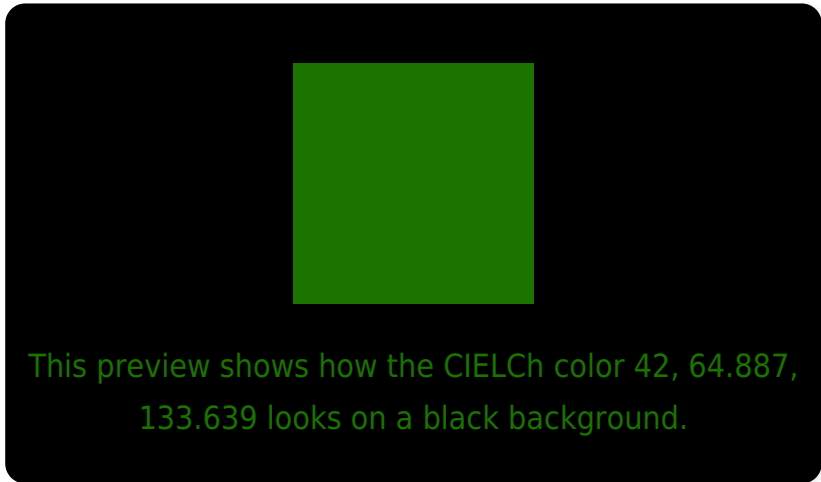
Large Text (above 18pt) WCAG AA ✓ Pass

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

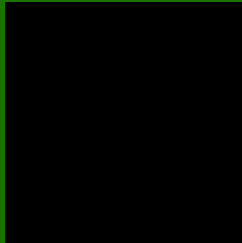
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 64.887, 133.639

Background



This preview shows how black text looks on a background with the CIELCh color 42, 64.887, 133.639.



This preview shows how white text looks on a background with the CIELCh color 42, 64.887, 133.639.

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, 64.562, 133.731

Protanopia

42, 48.825, 95.749

Deuteranopia

42, 42.003, 82.976



Tritanopia
42, 18.206, 215.065

Trichromacy



Original Color
42, 64.562, 133.731

Protanomaly
41, 52.130, 116.111

Deuteranomaly
41, 45.832, 111.368

Tritanomaly
42, 33.184, 155.143

Monochromacy



Original Color
42, 64.562, 133.731

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 29.507, 135.989

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 64.887, 133.639 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(27, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(27, 115, 0)  
}
```

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(27, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 115, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 64.887, 133.639 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(27, 115, 0) }
```

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

```
.border{ border-color:rgb(27, 115, 0) }
```

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

Here you see how a box with a 4 pixel rgb(27, 115, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(27, 115, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 64.887, 133.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 115, 0) }
```

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

```
.background{ background-color: rgb(27, 115,  
0) }
```

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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