

Converting Colors

CIELCh(22, 42.731, 137.721)

Have a look what the booklet for
CIELCh(22, 42.731, 137.721)
contains.

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Color

CIELCh(22, 42.739, 137.447)

Conversions

Conversions Part 1

Format	Color
Hex	003F02
RGB	0, 63, 2
RGB Percent	0%, 25%, 1%
CMY	1.0000, 0.7544, 0.9938
CMYK	1.00, 0.00, 0.97, 0.75
HSL	122°, 100%, 12%
HSV	122°, 100%, 25%
XYZ	1.7612, 3.5154, 0.6312
YIQ	37.2090, -17.9670, -32.3270

Conversions

Conversions Part 2

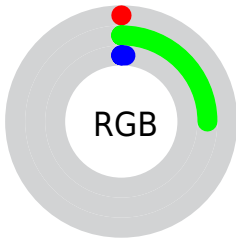
Format	Color
RYB	0, 61, 63
Decimal	16130
CIELab	22.00, -31.48, 28.90
CIELCh	22, 42.739, 137.447
Yxy	3.5154, 0.2981, 0.5951
Android (android.graphics.Color)	4278206210 (0xFF003F02)
YUV	37.2090, -17.3580, -32.6323
Hunter-Lab	18.7494, -16.0448, 11.1287

Details

The CIELCh color **22, 42.739, 137.447** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 41.599, 329.135**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 43.128, 137.395**, and **3, 7.124, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 42.688, 137.363**, and if you desaturate by 10%, it is **22, 39.769, 137.875**.

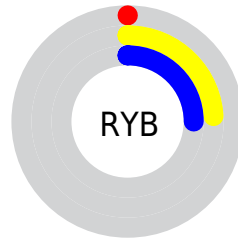
Distribution



Red (0%)

Green (25%)

Blue (1%)



Red (0%)

Yellow (24%)

Blue (25%)

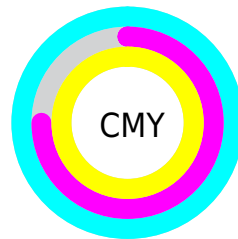


Cyan (100%)

Magenta (0%)

Yellow (97%)

Black (75%)



Cyan (100%)

Magenta (75%)

Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 42.739, 137.447 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 22, 42.739, 137.447 by changing the saturation by 10% instead.

 22, 42.739,
137.447


 22, 42.739,
137.447

 100, 42.739,
137.447


 12, 42.739,
137.447

 42, 42.739,
137.447

 2, 42.739, 137.447

 52, 42.739,
137.447

 0, 42.739, 137.447

 62, 42.739,
137.447

 72, 42.739,
137.447

 82, 42.739,
137.447

 92, 42.739,

137.447

■ 22, 42.739,
137.447

■ 22, 42.739,
137.447

■ 22, 42.688,
137.363

■ 22, 39.769,
137.875

■ 22, 36.768,
138.677

■ 23, 33.145,
139.711

■ 23, 29.020,
140.733

■ 23, 24.527,
141.694

■ 24, 19.781,
142.567

■ 24, 14.883,
143.344

■ 25, 9.912, 144.028

■ 26, 4.933, 144.632

Harmonies

Complementary

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



22, 42.739, 137.447



12, 41.599, 329.135

Rectangle

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



22, 42.739, 137.447



22, 42.739, 187.447



22, 42.739, 317.447



22, 42.739, 7.447

Sweetspot

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



22, 42.688, 137.363



32, 18.548, 143.246



25, 35.028, 103.951



15, 12.435, 143.137



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22, 42.688, 137.363



29, 51.701, 136.537



22, 30.067, 153.254



11, 2.683, 144.724



34, 57.249, 136.463



77, 107.389, 136.180

Inverse Universe

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



12, 41.599, 329.135



17, 49.609, 329.176



10, 31.370, 357.719



10, 2.688, 325.498



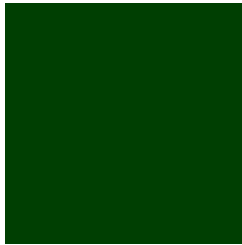
21, 54.814, 329.196



52, 101.963, 329.275

Previews

White Background



This preview shows how the CIELCh color 22, 42.739, 137.447 looks on a white background.

Color Contrast Check

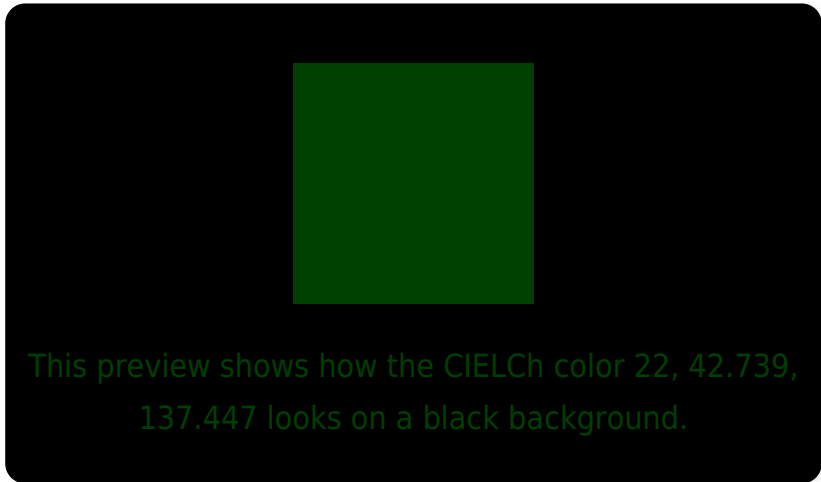
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

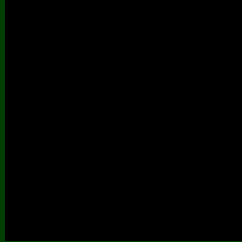
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 42.739, 137.447

Background



This preview shows how black text looks on a background with the CIELCh color 22, 42.739, 137.447.



This preview shows how white text looks on a background with the CIELCh color 22, 42.739, 137.447.

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

22, 42.739, 137.447

Protanopia

22, 31.157, 97.232

Deuteranopia

22, 25.375, 84.150



Tritanopia
22, 12.117, 213.697

Trichromacy



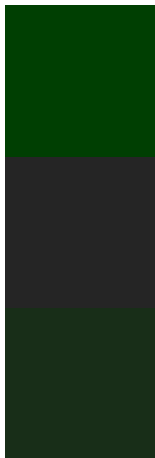
Original Color
22, 42.739, 137.447

Protanomaly
21, 33.574, 120.587

Deuteranomaly
21, 28.526, 116.868

Tritanomaly
22, 21.555, 159.699

Monochromacy



Original Color
22, 42.739, 137.447

Achromatopsia
15, 0.003, 296.813

Achromatomaly
17, 18.490, 141.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 42.739, 137.447 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, 63, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 63, 2)  
}
```

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, 63, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 63, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 42.739, 137.447 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, 63, 2) }
```

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

```
.border{ border-color:rgb(0, 63, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 63, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 63, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 63, 2); box-shadow:4px  
4px 4px 4px rgb(0, 63, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 42.739, 137.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 63, 2) }
```

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

```
.background{ background-color: rgb(0, 63,  
2) }
```

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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