

Converting Colors

CIELCh(19, 70.169, 164.440)

Have a look what the booklet for
CIELCh(19, 70.169, 164.440)
contains.

CIELCh(22, 37.612, 142.262)	3
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Color

CIELCh(22, 37.612, 142.262)

Conversions

Conversions Part 1

Format	Color
Hex	003E0F
RGB	0, 62, 15
RGB Percent	0%, 24%, 6%
CMY	0.9986, 0.7557, 0.9401
CMYK	0.99, 0.00, 0.75, 0.76
HSL	134°, 99%, 12%
HSV	134°, 99%, 24%
XYZ	1.8315, 3.5154, 1.0446
YIQ	38.1040, -21.8650, -27.7610

Conversions

Conversions Part 2

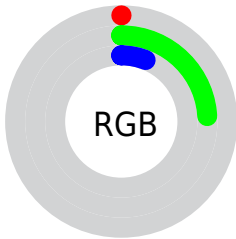
Format	Color
RYB	0, 50, 62
Decimal	15887
CIELab	22.00, -29.74, 23.02
CIELCh	22, 37.612, 142.262
Yxy	3.5154, 0.2866, 0.5500
Android (android.graphics.Color)	4278205967 (0xFF003E0F)
YUV	38.1040, -11.3903, -33.4172
Hunter-Lab	18.7494, -15.3747, 9.8214

Details

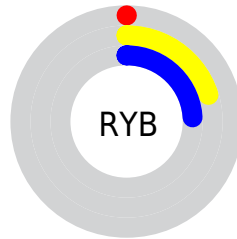
The CIELCh color **22, 37.612, 142.262** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 35.662, 338.839**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 37.502, 142.187**, and **3, 6.529, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 37.770, 142.217**, and if you desaturate by 10%, it is **22, 34.715, 143.282**.

Distribution



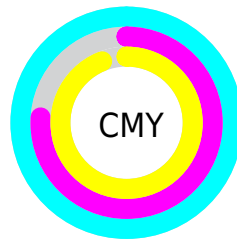
- Red (0%)
- Green (24%)
- Blue (6%)



- Red (0%)
- Yellow (20%)
- Blue (24%)



- Cyan (99%)
- Magenta (0%)
- Yellow (75%)
- Black (76%)





- Cyan (100%)
- Magenta (76%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 37.612, 142.262 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, 37.612, 142.262 by changing the saturation by 10% instead.

 22, 37.612,
142.262


 22, 37.612,
142.262

 100, 37.612,
142.262


 12, 37.612,
142.262


 42, 37.612,
142.262


 2, 37.612, 142.262

 52, 37.612,
142.262

 0, 37.612, 142.262

 62, 37.612,
142.262

 72, 37.612,
142.262

 82, 37.612,
142.262

 92, 37.612,

142.262

■ 22, 37.612,
142.262

■ 22, 37.612,
142.262

■ 22, 37.770,
142.217

■ 22, 34.715,
143.282

■ 22, 31.669,
144.656

■ 23, 28.304,
145.994

■ 23, 24.634,
147.204

■ 23, 20.727,
148.283

■ 24, 16.649,
149.238

■ 24, 12.462,
150.081

■ 25, 8.223, 150.826

■ 26, 3.977, 151.496

Harmonies

Complementary

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



22, 37.612, 142.262



11, 35.662, 338.839

Rectangle

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



22, 37.612, 142.262



22, 37.612, 192.262



22, 37.612, 322.262



22, 37.612, 12.262

Sweetspot

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



22, 37.612, 142.262



32, 15.896, 149.927



24, 35.598, 115.422



15, 10.657, 149.807



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, 37.612, 142.262



29, 46.253, 141.244



23, 23.613, 167.586



11, 2.302, 151.563



34, 51.627, 140.820



78, 99.678, 139.289

Inverse Universe

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



11, 35.662, 338.839



16, 42.588, 339.484



10, 30.923, 14.492



10, 2.311, 332.436



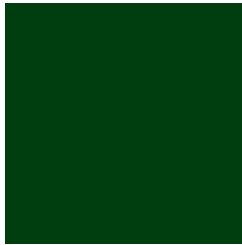
19, 46.921, 339.770



50, 86.286, 340.955

Previews

White Background



This preview shows how the CIELCh color 22, 37.612, 142.262 looks on a white background.

Color Contrast Check

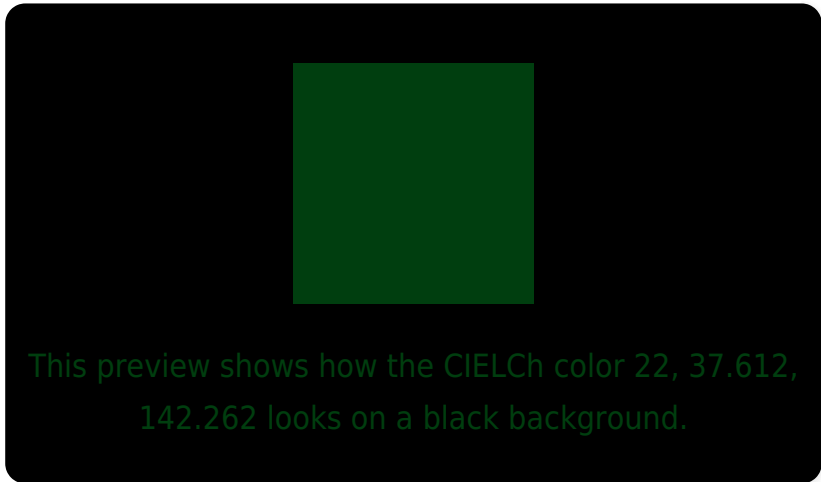
Large Text (above 18pt) WCAG AA ✓ Pass

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

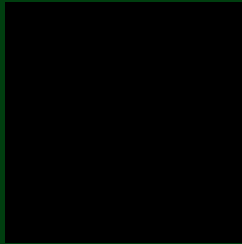
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 37.612, 142.262

Background



This preview shows how black text looks on a background with the CIELCh color 22, 37.612, 142.262.



This preview shows how white text looks on a background with the CIELCh color 22, 37.612, 142.262.

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, 37.612, 142.262

Protanopia
22, 25.393, 95.661

Deuteranopia
22, 21.971, 83.447



Tritanopia
22, 12.117, 213.697

Trichromacy



Original Color
22, 37.612, 142.262

Protanomaly
21, 27.822, 123.742

Deuteranomaly
21, 24.503, 120.838

Tritanomaly
22, 19.336, 167.008

Monochromacy



Original Color
22, 37.612, 142.262

Achromatopsia
15, 0.003, 296.813

Achromatomaly
17, 15.988, 149.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 37.612, 142.262 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, 62, 15)` looks like.

```
.text, #text, p{  
    color:rgb(0, 62, 15)  
}
```

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, 62, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 62, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 37.612, 142.262 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, 62, 15) }
```

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

```
.border{ border-color:rgb(0, 62, 15) }
```

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

Here you see how a box with a 4 pixel rgb(0, 62, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 62, 15); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 62, 15); box-shadow:4px  
4px 4px 4px rgb(0, 62, 15) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 37.612, 142.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 62, 15) }
```

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

```
.background{ background-color: rgb(0, 62,  
15) }
```

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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