

Converting Colors

CIELCh(18, 77.733, 173.501)

Have a look what the booklet for
CIELCh(18, 77.733, 173.501)
contains.

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Color

CIELCh(22, 30.815, 151.641)

Conversions

Conversions Part 1

Format	Color
Hex	003E1E
RGB	0, 62, 30
RGB Percent	0%, 24%, 12%
CMY	1.0000, 0.7576, 0.8830
CMYK	1.00, 0.00, 0.52, 0.76
HSL	149°, 100%, 12%
HSV	149°, 100%, 24%
XYZ	1.9414, 3.5154, 1.7927
YIQ	39.8140, -26.6800, -23.0960

Conversions

Conversions Part 2

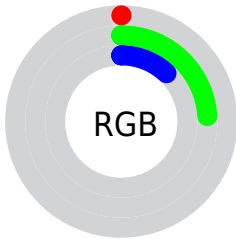
Format	Color
RYB	0, 42, 62
Decimal	15902
CIELab	22.00, -27.12, 14.64
CIELCh	22, 30.815, 151.641
Yxy	3.5154, 0.2678, 0.4849
Android (android.graphics.Color)	4278205982 (0xFF003E1E)
YUV	39.8140, -4.8383, -34.9169
Hunter-Lab	18.7494, -14.3292, 7.4555

Details

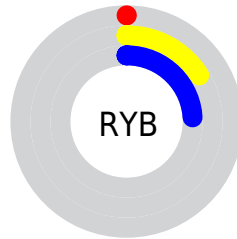
The CIELCh color **22, 30.815, 151.641** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **10, 31.430, 354.921**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 30.803, 151.687**, and **3, 7.124, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 30.782, 151.592**, and if you desaturate by 10%, it is **22, 28.315, 152.852**.

Distribution



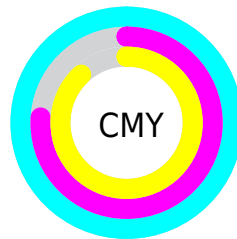
- Red (0%)
- Green (24%)
- Blue (12%)



- Red (0%)
- Yellow (16%)
- Blue (24%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (76%)





- Cyan (100%)
- Magenta (76%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 30.815, 151.641 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, 30.815, 151.641 by changing the saturation by 10% instead.

 22, 30.815,
151.641


 22, 30.815,
151.641

 100, 30.815,
151.641


 12, 30.815,
151.641


 42, 30.815,
151.641


 2, 30.815, 151.641

 52, 30.815,
151.641

 0, 30.815, 151.641

 62, 30.815,
151.641

 72, 30.815,
151.641

 82, 30.815,
151.641

 92, 30.815,

151.641

■ 22, 30.815,
151.641

■ 22, 30.815,
151.641

■ 22, 30.782,
151.592

■ 22, 28.315,
152.852

■ 22, 25.858,
154.391

■ 23, 23.190,
155.866

■ 23, 20.276,
157.188

■ 23, 17.157,
158.372

■ 24, 13.876,
159.433

■ 24, 10.479,
160.389

■ 25, 7.009, 161.255

■ 25, 3.504, 162.060

Harmonies

Complementary

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



22, 30.815, 151.641



10, 31.430, 354.921

Rectangle

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



22, 30.815, 151.641



22, 30.815, 201.641



22, 30.815, 331.641



22, 30.815, 21.641

Sweetspot

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



22, 30.782, 151.592



32, 13.198, 160.260



23, 37.754, 125.448



15, 8.843, 160.124



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, 30.782, 151.592



30, 37.922, 150.432



23, 18.619, 191.998



11, 1.928, 162.186



35, 42.345, 149.927



78, 82.099, 147.989

Inverse Universe

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



10, 31.430, 354.921



15, 37.570, 356.703



9, 32.224, 25.061



10, 1.947, 343.260



18, 41.409, 357.519



48, 76.443, 0.893

Previews

White Background



This preview shows how the CIE LCh color 22, 30.815, 151.641 looks on a white background.

Color Contrast Check

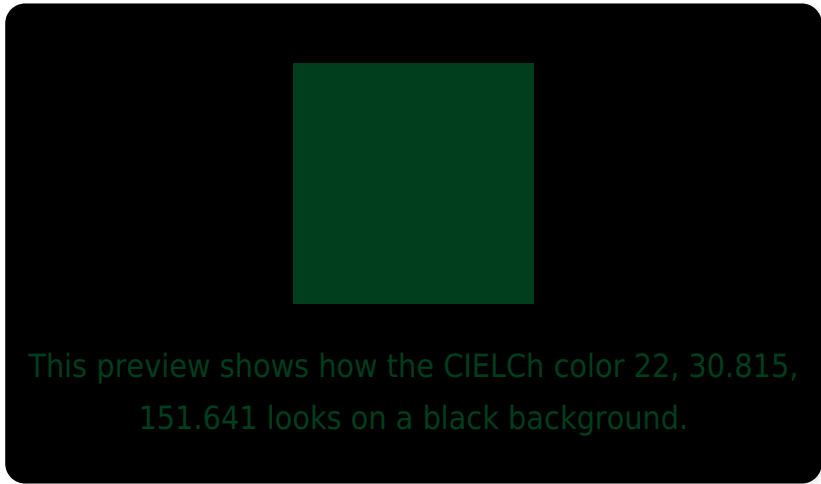
Large Text (above 18pt) WCAG AA ✓ Pass

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

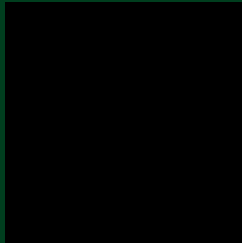
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 30.815, 151.641

Background



This preview shows how black text looks on a background with the CIELCh color 22, 30.815, 151.641.



This preview shows how white text looks on a background with the CIELCh color 22, 30.815, 151.641.

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

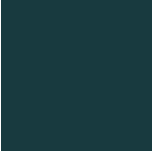
22, 30.815, 151.641

Protanopia

22, 17.371, 95.658

Deuteranopia

22, 13.914, 78.000



Tritanopia
22, 12.626, 212.949

Trichromacy



Original Color
22, 30.815, 151.641

Protanomaly
21, 20.398, 131.858

Deuteranomaly
21, 16.717, 131.125

Tritanomaly
22, 17.233, 178.079

Monochromacy



Original Color
22, 30.815, 151.641

Achromatopsia
16, 0.003, 296.813

Achromatomaly
18, 13.413, 158.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 30.815, 151.641 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(0, 62, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 62, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 30.815, 151.641 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, 30) }
```

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

```
.border{ border-color:rgb(0, 62, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 62, 30); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 62, 30); box-shadow:4px  
4px 4px 4px rgb(0, 62, 30) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 30.815, 151.641 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, 30) }
```

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

```
.background{ background-color: rgb(0, 62,  
30) }
```

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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