

Converting Colors

CIELCh(22, 37.752, 127.826)

Have a look what the booklet for
CIELCh(22, 37.752, 127.826)
contains.

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Color

CIELCh(22, 37.567, 127.818)

Conversions

Conversions Part 1

Format	Color
Hex	1C3C00
RGB	28, 60, 0
RGB Percent	11%, 24%, 0%
CMY	0.8891, 0.7635, 0.9986
CMYK	0.53, 0.00, 0.99, 0.76
HSL	92°, 99%, 12%
HSV	92°, 99%, 24%
XYZ	2.1206, 3.5154, 0.5771
YIQ	43.5920, 0.1880, -25.4440

Conversions

Conversions Part 2

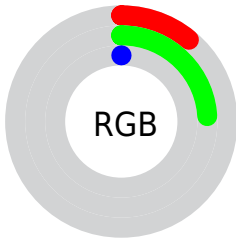
Format	Color
RYB	0, 60, 32
Decimal	1850368
CIELab	22.00, -23.03, 29.68
CIELCh	22, 37.567, 127.818
Yxy	3.5154, 0.3413, 0.5658
Android (android.graphics.Color)	4280040448 (0xFF1C3C00)
YUV	43.5920, -21.4909, -13.6742
Hunter-Lab	18.7494, -12.6230, 11.2997

Details

The CIELCh color **22, 37.567, 127.818** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **6, 42.463, 313.612**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 37.471, 127.833**, and **3, 6.529, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 37.736, 127.825**, and if you desaturate by 10%, it is **22, 34.748, 127.669**.

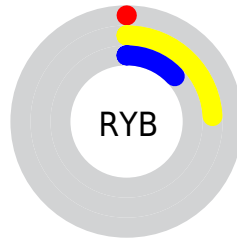
Distribution



 Red (11%)

 Green (24%)

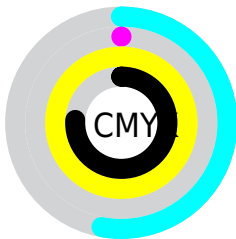
 Blue (0%)



 Red (0%)

 Yellow (24%)

 Blue (13%)

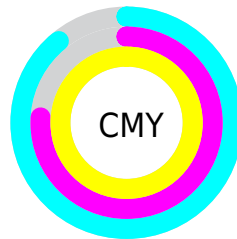



 Cyan (53%)

 Magenta (0%)

 Yellow (99%)

 Black (76%)



 Cyan (89%)

 Magenta (76%)

 Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 37.567, 127.818 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, 37.567, 127.818 by changing the saturation by 10% instead.

■ 22, 37.567,
127.818

■ 22, 37.567,
127.818

■ 100, 37.567,
127.818

■ 12, 37.567,
127.818

■ 42, 37.567,
127.818

■ 2, 37.567, 127.818

■ 52, 37.567,
127.818

■ 0, 37.567, 127.818

■ 62, 37.567,
127.818

■ 72, 37.567,
127.818

■ 82, 37.567,
127.818

■ 92, 37.567,

127.818

■ 22, 37.567,
127.818

■ 22, 37.567,
127.818

■ 22, 37.736,
127.825

■ 22, 34.748,
127.669

■ 22, 31.864,
127.478

■ 23, 28.476,
127.615

■ 23, 24.747,
127.901

■ 23, 20.787,
128.270

■ 24, 16.679,
128.679

■ 24, 12.482,
129.100

■ 25, 8.241, 129.516

■ 25, 3.986, 129.918

Harmonies

Complementary

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



22, 37.567, 127.818



6, 42.463, 313.612

Rectangle

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



22, 37.567, 127.818



22, 37.567, 177.818



22, 37.567, 307.818



22, 37.567, 357.818

Sweetspot

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



22, 37.567, 127.819



32, 15.955, 129.016



16, 25.339, 65.111



15, 10.981, 128.948



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, 37.567, 127.819



29, 46.488, 127.645



21, 41.121, 137.801



11, 2.382, 129.955



35, 52.716, 128.055



79, 99.465, 129.321

Inverse Universe

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



6, 42.463, 313.612



9, 52.537, 313.719



11, 40.188, 329.405



10, 2.407, 310.552



13, 59.474, 313.442



36, 111.634, 312.567

Previews

White Background



This preview shows how the CIELCh color 22, 37.567, 127.818 looks on a white background.

Color Contrast Check

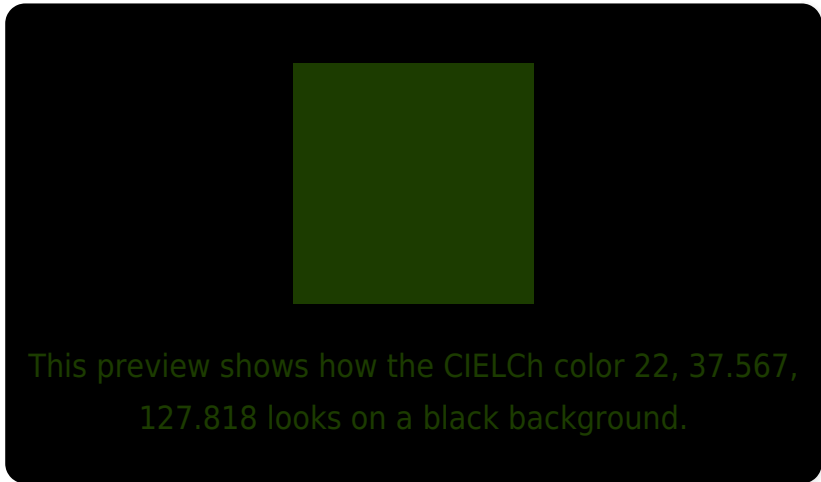
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.567, 127.818

Background



This preview shows how black text looks on a background with the CIELCh color 22, 37.567, 127.818.



This preview shows how white text looks on a background with the CIELCh color 22, 37.567, 127.818.

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](#).

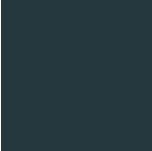
Dichromacy



Original Color
22, 37.567, 127.818

Protanopia
22, 30.736, 96.131

Deuteranopia
22, 26.043, 83.120



Tritanopia
22, 8.258, 222.324

Trichromacy



Original Color
22, 37.567, 127.818

Protanomaly
22, 32.165, 111.112

Deuteranomaly
22, 27.664, 105.063

Tritanomaly
22, 16.848, 147.982

Monochromacy



Original Color
22, 37.567, 127.818

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 15.937, 128.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 37.567, 127.818 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(28, 60, 0)` looks like.

```
.text, #text, p{  
    color:rgb(28, 60, 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(28, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 60, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 37.567, 127.818 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(28, 60, 0) }
```

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

```
.border{ border-color:rgb(28, 60, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 60, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 60, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(28, 60, 0); box-shadow:4px  
4px 4px 4px rgb(28, 60, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 37.567, 127.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 60, 0) }
```

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

```
.background{ background-color: rgb(28, 60,  
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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