

Converting Colors

CIELCh(22, 37.072, 131.981)

Have a look what the booklet for
CIELCh(22, 37.072, 131.981)
contains.

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Color

CIELCh(22, 37.272, 131.837)

Conversions

Conversions Part 1

Format	Color
Hex	173D05
RGB	23, 61, 5
RGB Percent	9%, 24%, 2%
CMY	0.9103, 0.7613, 0.9810
CMYK	0.62, 0.00, 0.92, 0.76
HSL	101°, 85%, 13%
HSV	101°, 92%, 24%
XYZ	2.0391, 3.5154, 0.7104
YIQ	43.2540, -4.6720, -25.4720

Conversions

Conversions Part 2

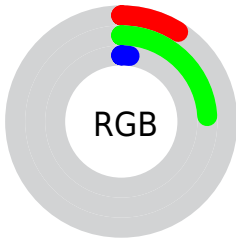
Format	Color
RYB	5, 61, 43
Decimal	1522949
CIELab	22.00, -24.86, 27.77
CIELCh	22, 37.272, 131.837
Yxy	3.5154, 0.3255, 0.5611
Android (android.graphics.Color)	4279713029 (0xFF173D05)
YUV	43.2540, -18.8592, -17.7628
Hunter-Lab	18.7494, -13.3988, 10.8780

Details

The CIELCh color **22, 37.272, 131.837** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **9, 39.636, 317.702**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 37.579, 131.856**, and **3, 7.124, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 39.587, 131.766**, and if you desaturate by 10%, it is **22, 34.320, 131.797**.

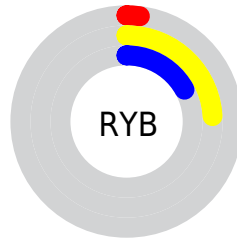
Distribution



Red (9%)

Green (24%)

Blue (2%)



Red (2%)

Yellow (24%)

Blue (17%)

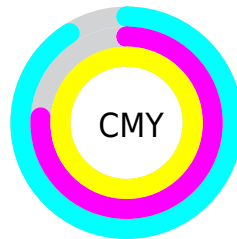


Cyan (62%)

Magenta (0%)

Yellow (92%)

Black (76%)



Cyan (91%)

Magenta (76%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 37.272, 131.837 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, 37.272, 131.837 by changing the saturation by 10% instead.

■ 22, 37.272,
131.837

■ 22, 37.272,
131.837

■ 100, 37.272,
131.837

■ 12, 37.272,
131.837

■ 42, 37.272,
131.837

■ 2, 37.272, 131.837

■ 52, 37.272,
131.837

■ 0, 37.272, 131.837

■ 62, 37.272,
131.837

■ 72, 37.272,
131.837

■ 82, 37.272,
131.837

■ 92, 37.272,

131.837

■ 22, 37.272,
131.837

■ 22, 37.272,
131.837

■ 22, 39.587,
131.766

■ 22, 34.320,
131.797

■ 23, 30.903,
132.002

■ 23, 27.067,
132.375

■ 23, 22.955,
132.819

■ 24, 18.662,
133.288

■ 24, 14.262,
133.753

■ 25, 9.808, 134.197

■ 25, 5.341, 134.614

■ 26, 0.892, 135.058

Harmonies

Complementary

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



22, 37.272, 131.837



9, 39.636, 317.702

Rectangle

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



22, 37.272, 131.837



22, 37.272, 181.837



22, 37.272, 311.837



22, 37.272, 1.837

Sweetspot

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



22, 37.272, 131.838



32, 15.507, 133.878



19, 25.337, 79.536



15, 10.802, 133.794



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, 37.272, 131.838



29, 48.382, 131.460



22, 36.626, 140.907



11, 2.473, 134.758



35, 54.875, 131.823



78, 103.539, 132.897

Inverse Universe

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



9, 39.636, 317.702



12, 51.170, 317.558



12, 34.944, 334.599



10, 2.491, 315.328



15, 57.873, 317.324



41, 108.310, 316.572

Previews

White Background



This preview shows how the CIELCh color 22, 37.272, 131.837 looks on a white background.

Color Contrast Check

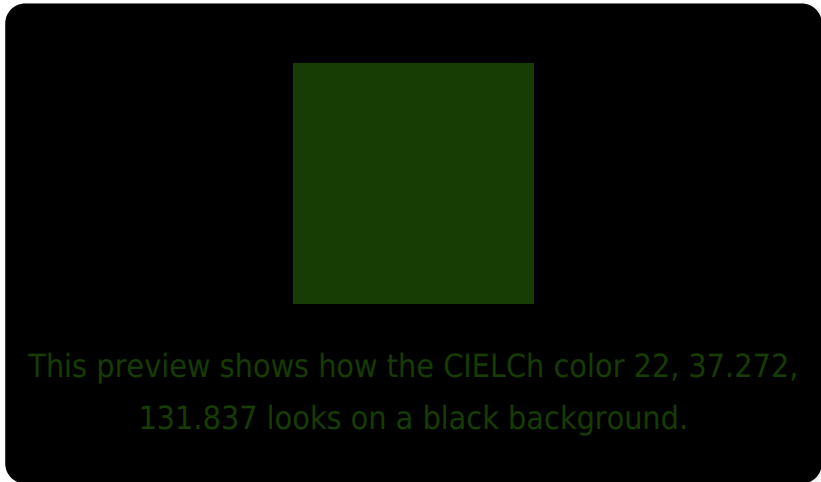
Large Text (above 18pt) WCAG AA ✓ Pass

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

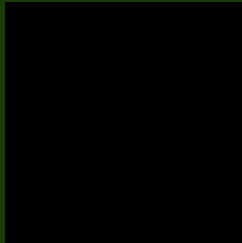
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 37.272, 131.837

Background



This preview shows how black text looks on a background with the CIELCh color 22, 37.272, 131.837.



This preview shows how white text looks on a background with the CIELCh color 22, 37.272, 131.837.

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](#).

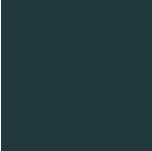
Dichromacy



Original Color
22, 37.272, 131.837

Protanopia
22, 30.736, 96.131

Deuteranopia
22, 25.363, 84.005



Tritanopia
22, 9.728, 213.978

Trichromacy



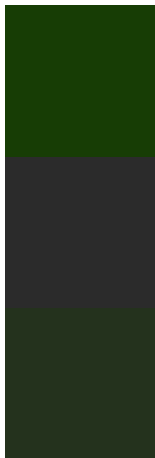
Original Color
22, 37.272, 131.837

Protanomaly
22, 31.543, 113.302

Deuteranomaly
21, 26.937, 108.697

Tritanomaly
22, 17.230, 155.164

Monochromacy



Original Color
22, 37.272, 131.837

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 15.763, 133.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 37.272, 131.837 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(23, 61, 5)` looks like.

```
.text, #text, p{  
    color:rgb(23, 61, 5)  
}
```

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(23, 61, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 61, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 37.272, 131.837 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(23, 61, 5) }
```

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

```
.border{ border-color:rgb(23, 61, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 61, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 61, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(23, 61, 5); box-shadow:4px  
4px 4px 4px rgb(23, 61, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 37.272, 131.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 61, 5) }
```

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

```
.background{ background-color: rgb(23, 61,  
5) }
```

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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