

Converting Colors

CIELCh(22, 7.270, 131.823)

Have a look what the booklet for
CIELCh(22, 7.270, 131.823) contains.

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Color

CIELCh(22, 7.270, 131.823)

Conversions

Conversions Part 1

Format	Color
Hex	31372D
RGB	49, 55, 45
RGB Percent	19%, 22%, 18%
CMY	0.8097, 0.7862, 0.8253
CMYK	0.11, 0.00, 0.18, 0.79
HSL	96°, 10%, 19%
HSV	96°, 18%, 21%
XYZ	3.0533, 3.5154, 2.9545
YIQ	52.0660, -0.3660, -4.3820

Conversions

Conversions Part 2

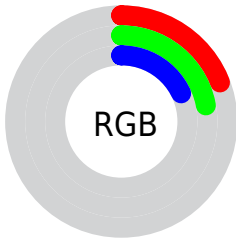
Format	Color
R_{YB}	45, 55, 51
Decimal	3225389
CIE Lab	22.00, -4.85, 5.42
CIE LCh	22, 7.270, 131.823
Yxy	3.5154, 0.3206, 0.3691
Android (android.graphics.Color)	4281415469 (0xFF31372D)
YUV	52.0660, -3.4835, -2.6889
Hunter-Lab	18.7494, -3.7432, 3.7818

Details

The CIELCh color **22, 7.270, 131.823** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 7.392, 313.145**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 7.268, 133.271**, and **2, 5.429, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 11.246, 131.418**, and if you desaturate by 10%, it is **22, 3.292, 132.214**.

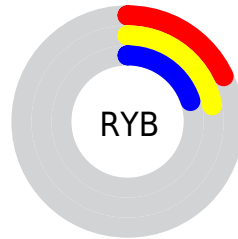
Distribution



Red (19%)

Green (22%)

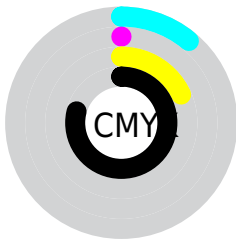
Blue (18%)



Red (18%)

Yellow (22%)

Blue (20%)

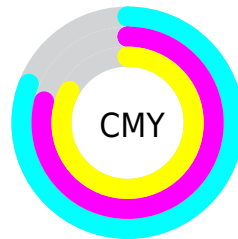


Cyan (11%)

Magenta (0%)

Yellow (18%)

Black (79%)



Cyan (81%)

Magenta (79%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 7.270, 131.823 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, 7.270, 131.823 by changing the saturation by 10% instead.

■ 22, 7.270, 131.823

■ 22, 7.270, 131.823

■ 100, 7.270,
131.823

■ 12, 7.270, 131.823

■ 42, 7.270, 131.823

■ 2, 7.270, 131.823

■ 52, 7.270, 131.823

■ 0, 7.270, 131.823

■ 62, 7.270, 131.823

■ 72, 7.270, 131.823

■ 82, 7.270, 131.823

■ 92, 7.270, 131.823

■ 22, 7.270, 131.823

■ 22, 7.270, 131.823

■ 22, 11.246,
131.418

■ 22, 3.292, 132.214

■ 21, 15.189,
130.998

■ 23, 0.670, 312.457

■ 23, 4.598, 312.855

■ 21, 19.061,
130.576

■ 24, 8.481, 313.152

■ 20, 22.811,
130.177

■ 25, 12.310,
313.416

■ 20, 26.368,
129.839

■ 25, 16.078,
313.653

■ 20, 29.548,
129.761

■ 26, 19.783,
313.864

■ 20, 32.228,
130.074

■ 26, 23.421,
314.051

■ 19, 34.865,
130.287

■ 27, 26.992,
314.218

■ 19, 35.308,

Harmonies

Complementary

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



22, 7.270, 131.823



19, 7.392, 313.145

Rectangle

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



22, 7.270, 131.823



22, 7.270, 181.823



22, 7.270, 311.823



22, 7.270, 1.823

Sweetspot

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



22, 7.271, 131.825



30, 2.477, 132.336



21, 4.473, 83.411



14, 1.656, 132.329



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



22, 7.271, 131.825



29, 10.950, 131.632



22, 7.666, 146.288



10, 2.246, 132.212



34, 52.700, 129.894



78, 100.561, 131.142

Inverse Universe

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



19, 7.392, 313.145



25, 11.178, 313.331



20, 7.680, 328.157



9, 2.266, 312.767



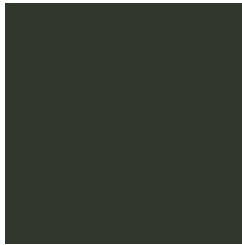
13, 57.585, 315.161



38, 109.096, 314.291

Previews

White Background



This preview shows how the CIELCh color 22, 7.270, 131.823 looks on a white background.

Color Contrast Check

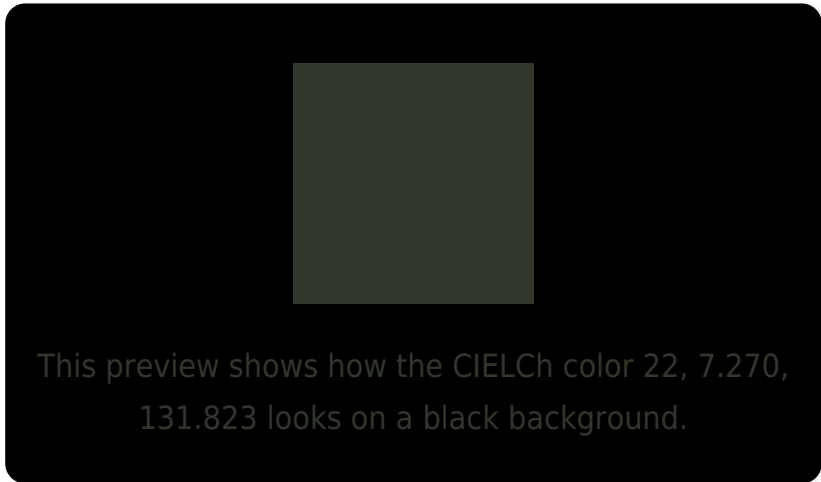
Large Text (above 18pt) WCAG AA ✓ Pass

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

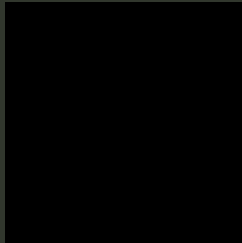
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 7.270, 131.823

Background



This preview shows how black text looks on a background with the CIELCh color 22, 7.270, 131.823.

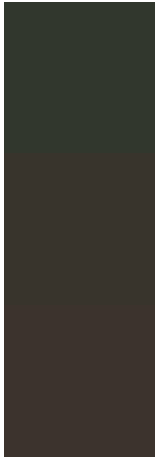


This preview shows how white text looks on a background with the CIELCh color 22, 7.270, 131.823.

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, 7.270, 131.823

Protanopia

22, 5.701, 88.808

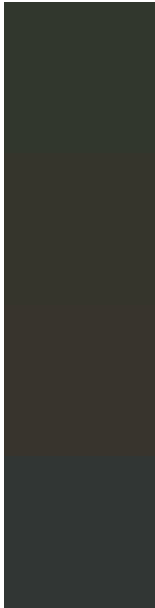
Deuteranopia

22, 6.005, 61.687



Tritanopia
22, 2.973, 264.197

Trichromacy



Original Color

22, 7.270, 131.823

Protanomaly

22, 6.009, 108.796

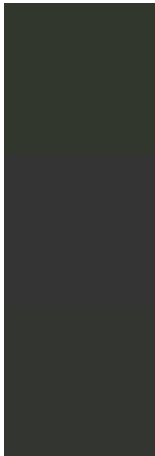
Deuteranomaly

22, 5.074, 86.478

Tritanomaly

22, 2.668, 168.785

Monochromacy



Original Color

22, 7.270, 131.823

Achromatopsia

22, 0.004, 296.813

Achromatomaly

22, 2.846, 128.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 7.270, 131.823 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(49, 55, 45)` looks like.

```
.text, #text, p{  
    color:rgb(49, 55, 45)  
}
```

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(49, 55, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 55, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 7.270, 131.823 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(49, 55, 45) }
```

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

```
.border{ border-color:rgb(49, 55, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 55, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 55, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 55, 45);  
box-shadow:4px 4px 4px 4px rgb(49, 55, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 7.270, 131.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 55, 45) }
```

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

```
.background{ background-color: rgb(49, 55,  
45) }
```

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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