

Converting Colors

CIELCh(22, 21.127, 132.195)

Have a look what the booklet for
CIELCh(22, 21.127, 132.195)
contains.

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Color

CIELCh(22, 21.080, 132.226)

Conversions

Conversions Part 1

Format	Color
Hex	273A1D
RGB	39, 58, 29
RGB Percent	15%, 23%, 11%
CMY	0.8480, 0.7735, 0.8872
CMYK	0.33, 0.00, 0.50, 0.77
HSL	99°, 33%, 17%
HSV	99°, 50%, 23%
XYZ	2.5471, 3.5154, 1.6919
YIQ	49.0130, -2.0150, -13.0470

Conversions

Conversions Part 2

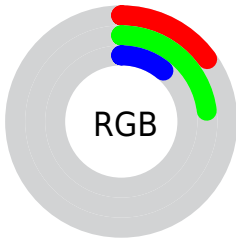
Format	Color
RYB	29, 58, 48
Decimal	2570781
CIELab	22.00, -14.17, 15.61
CIELCh	22, 21.080, 132.226
Yxy	3.5154, 0.3285, 0.4533
Android (android.graphics.Color)	4280760861 (0xFF273A1D)
YUV	49.0130, -9.8664, -8.7814
Hunter-Lab	18.7494, -8.5621, 7.7745

Details

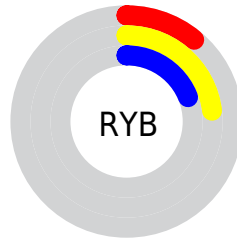
The CIELCh color **22, 21.080, 132.226** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **14, 21.904, 316.157**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 21.006, 132.004**, and **3, 7.124, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 25.038, 131.797**, and if you desaturate by 10%, it is **22, 16.973, 132.678**.

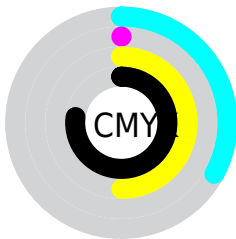
Distribution



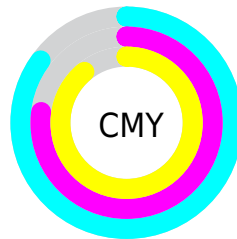
- Red (15%)
- Green (23%)
- Blue (11%)



- Red (11%)
- Yellow (23%)
- Blue (19%)



- Cyan (33%)
- Magenta (0%)
- Yellow (50%)
- Black (77%)





- Cyan (85%)
- Magenta (77%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 21.080, 132.226 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, 21.080, 132.226 by changing the saturation by 10% instead.

 22, 21.080,
132.226


 22, 21.080,
132.226

 100, 21.080,
132.226


 12, 21.080,
132.226


 42, 21.080,
132.226


 2, 21.080, 132.226

 52, 21.080,
132.226

 0, 21.080, 132.226

 62, 21.080,
132.226

 72, 21.080,
132.226

 82, 21.080,
132.226

 92, 21.080,

132.226

■ 22, 21.080,
132.226

■ 22, 21.080,
132.226

■ 22, 25.038,
131.797

■ 22, 16.973,
132.678

■ 21, 28.761,
131.430

■ 23, 12.778,
133.124

■ 21, 32.095,
131.260

■ 23, 8.541, 133.551

■ 21, 34.929,
131.425

■ 24, 4.297, 133.954

■ 24, 0.073, 135.255

■ 21, 37.662,
131.460

■ 25, 4.113, 314.610

■ 25, 8.245, 314.912

■ 26, 12.315,
315.177

■ 27, 16.314,
315.411

Harmonies

Complementary

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



22, 21.080, 132.226



14, 21.904, 316.157

Rectangle

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



22, 21.080, 132.226



22, 21.080, 182.226



22, 21.080, 312.226



22, 21.080, 2.226

Sweetspot

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



22, 21.081, 132.227



30, 7.796, 133.735



20, 13.850, 84.083



15, 5.371, 133.707



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



22, 21.081, 132.227



28, 30.589, 131.698



21, 21.116, 145.290



10, 2.279, 134.029



34, 53.494, 131.260



77, 102.058, 132.421

Inverse Universe

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



14, 21.904, 316.157



17, 32.063, 316.555



16, 21.096, 331.499



9, 2.297, 314.578



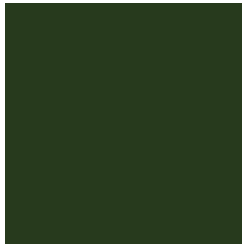
14, 57.000, 316.690



40, 107.857, 315.880

Previews

White Background



This preview shows how the CIELCh color 22, 21.080, 132.226 looks on a white background.

Color Contrast Check

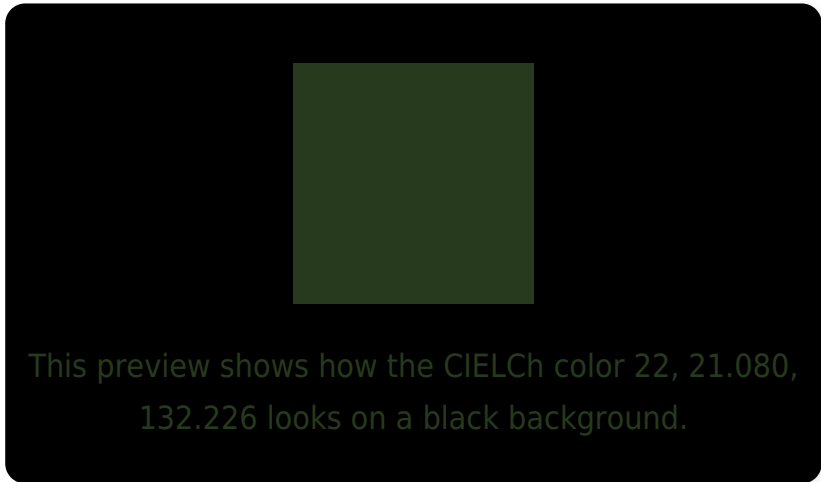
Large Text (above 18pt) WCAG AA ✓ Pass

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

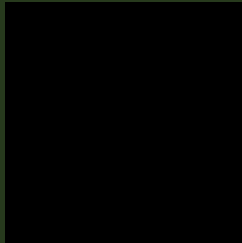
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 21.080, 132.226

Background



This preview shows how black text looks on a background with the CIELCh color 22, 21.080, 132.226.



This preview shows how white text looks on a background with the CIELCh color 22, 21.080, 132.226.

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, 21.080, 132.226

Protanopia

22, 17.271, 97.394

Deuteranopia

22, 14.831, 77.161



Tritanopia
22, 5.341, 237.987

Trichromacy



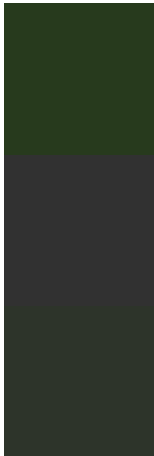
Original Color
22, 21.080, 132.226

Protanomaly
22, 17.720, 112.889

Deuteranomaly
22, 15.195, 102.722

Tritanomaly
22, 7.627, 159.933

Monochromacy



Original Color
22, 21.080, 132.226

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 7.545, 135.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 21.080, 132.226 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(39, 58, 29)` looks like.

```
.text, #text, p{  
    color:rgb(39, 58, 29)  
}
```

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(39, 58, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 58, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 21.080, 132.226 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(39, 58, 29) }
```

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

```
.border{ border-color:rgb(39, 58, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 58, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 58, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 58, 29);  
box-shadow:4px 4px 4px 4px rgb(39, 58, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 21.080, 132.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 58, 29) }
```

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

```
.background{ background-color: rgb(39, 58,  
29) }
```

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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