

Converting Colors

CIELCh(22, 24.603, 119.724)

Have a look what the booklet for
CIELCh(22, 24.603, 119.724)
contains.

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Color

CIELCh(22, 24.832, 119.369)

Conversions

Conversions Part 1

Format	Color
Hex	2D3913
RGB	45, 57, 19
RGB Percent	18%, 22%, 7%
CMY	0.8240, 0.7770, 0.9260
CMYK	0.21, 0.00, 0.67, 0.78
HSL	79°, 50%, 15%
HSV	79°, 67%, 22%
XYZ	2.6500, 3.5154, 1.1497
YIQ	49.0800, 5.0460, -14.3620

Conversions

Conversions Part 2

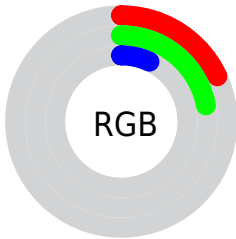
Format	Color
RYB	19, 57, 31
Decimal	2963731
CIELab	22.00, -12.18, 21.64
CIELCh	22, 24.832, 119.369
Yxy	3.5154, 0.3623, 0.4806
Android (android.graphics.Color)	4281153811 (0xFF2D3913)
YUV	49.0800, -14.8294, -3.5782
Hunter-Lab	18.7494, -7.5824, 9.4891

Details

The CIELCh color **22, 24.832, 119.369** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9, 28.212, 306.698**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 24.786, 119.359**, and **3, 7.124, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 27.935, 119.160**, and if you desaturate by 10%, it is **22, 21.436, 119.718**.

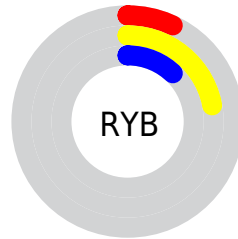
Distribution



Red (18%)

Green (22%)

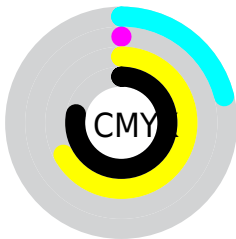
Blue (7%)



Red (7%)

Yellow (22%)

Blue (12%)

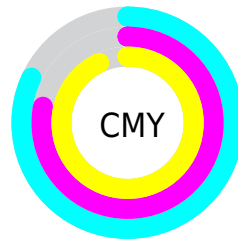


Cyan (21%)

Magenta (0%)

Yellow (67%)

Black (78%)



Cyan (82%)

Magenta (78%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 24.832, 119.369 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, 24.832, 119.369 by changing the saturation by 10% instead.

■ 22, 24.832,
119.369

■ 22, 24.832,
119.369

■ 100, 24.832,
119.369

■ 12, 24.832,
119.369

■ 42, 24.832,
119.369

■ 2, 24.832, 119.369

■ 52, 24.832,
119.369

■ 0, 24.832, 119.369

■ 62, 24.832,
119.369

■ 72, 24.832,
119.369

■ 82, 24.832,
119.369

■ 92, 24.832,

119.369

■ 22, 24.832,
119.369

■ 22, 24.832,
119.369

■ 22, 27.935,
119.160

■ 22, 21.436,
119.718

■ 22, 30.495,
119.315

■ 22, 17.846,
120.144

■ 21, 32.953,
119.528

■ 23, 14.128,
120.615

■ 21, 33.742,
119.592

■ 23, 10.331,
121.105

■ 23, 6.489, 121.599

■ 24, 2.626, 122.087

■ 24, 1.241, 302.527

■ 24, 5.097, 302.986

■ 25, 8.934, 303.410

Harmonies

Complementary

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



22, 24.832, 119.369



9, 28.212, 306.698

Rectangle

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



22, 24.832, 119.369



22, 24.832, 169.369



22, 24.832, 299.369



22, 24.832, 349.369

Sweetspot

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



22, 24.832, 119.371



31, 9.614, 121.394



15, 17.568, 48.771



15, 6.621, 121.348



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, 24.832, 119.371



29, 35.529, 119.107



21, 28.369, 135.418



10, 2.114, 122.013



35, 48.380, 119.628



80, 91.759, 120.806

Inverse Universe

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



9, 28.212, 306.698



10, 42.098, 307.887



12, 28.933, 321.136



9, 2.146, 302.796



9, 60.875, 309.216



30, 115.714, 308.435

Previews

White Background



This preview shows how the CIELCh color 22, 24.832, 119.369 looks on a white background.

Color Contrast Check

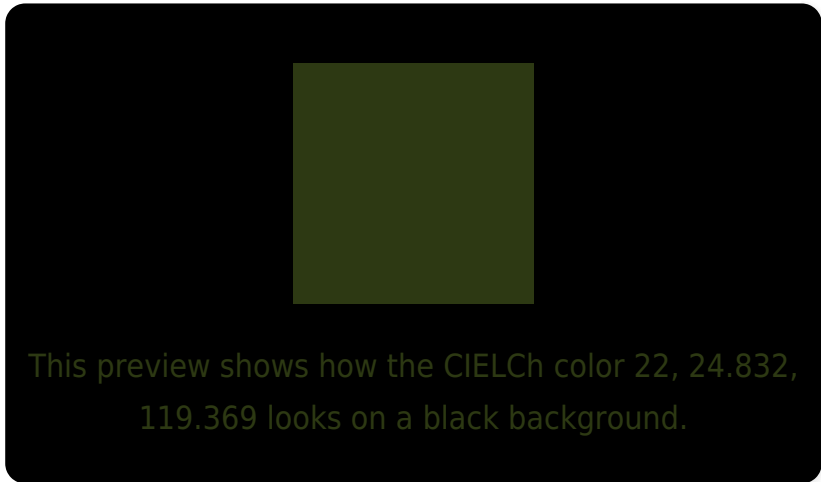
Large Text (above 18pt) WCAG AA ✓ Pass

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

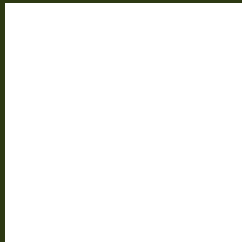
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 22, 24.832, 119.369

Background



This preview shows how black text looks on a background with the CIELCh color 22, 24.832, 119.369.



This preview shows how white text looks on a background with the CIELCh color 22, 24.832, 119.369.

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, 24.832, 119.369

Protanopia

22, 22.677, 96.700

Deuteranopia

22, 20.899, 82.493



Tritanopia
22, 3.183, 257.062

Trichromacy



Original Color
22, 24.832, 119.369

Protanomaly
22, 22.933, 104.909

Deuteranomaly
22, 21.461, 97.999

Tritanomaly
22, 8.103, 132.938

Monochromacy



Original Color
22, 24.832, 119.369

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 9.699, 122.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 24.832, 119.369 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(45, 57, 19)` looks like.

```
.text, #text, p{  
    color:rgb(45, 57, 19)  
}
```

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(45, 57, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 57, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 24.832, 119.369 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(45, 57, 19) }
```

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

```
.border{ border-color:rgb(45, 57, 19) }
```

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

Here you see how a box with a 4 pixel rgb(45, 57, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 57, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 57, 19);  
box-shadow:4px 4px 4px 4px rgb(45, 57, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 24.832, 119.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 57, 19) }
```

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

```
.background{ background-color: rgb(45, 57,  
19) }
```

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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