

Converting Colors

CIELCh(22, 49.274, 24.197)

Have a look what the booklet for
CIELCh(22, 49.274, 24.197) contains.

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Color

CIELCh(22, 49.044, 24.362)

Conversions

Conversions Part 1

Format	Color
Hex	70001A
RGB	112, 0, 26
RGB Percent	44%, 0%, 10%
CMY	0.5597, 1.0000, 0.9000
CMYK	0.00, 1.00, 0.77, 0.56
HSL	346°, 100%, 22%
HSV	346°, 100%, 44%
XYZ	6.8891, 3.5154, 1.2641
YIQ	36.4520, 58.4060, 31.8300

Conversions

Conversions Part 2

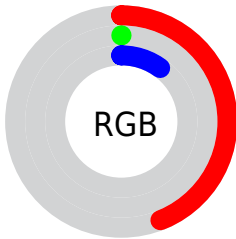
Format	Color
RYB	112, 0, 26
Decimal	7340058
CIELab	22.00, 44.68, 20.23
CIELCh	22, 49.044, 24.362
Yxy	3.5154, 0.5904, 0.3013
Android (android.graphics.Color)	4285530138 (0xFF70001A)
YUV	36.4520, -5.1528, 66.2556
Hunter-Lab	18.7494, 32.7742, 9.1273

Details

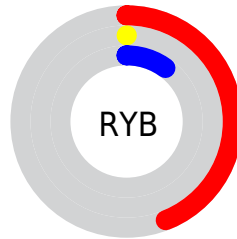
The CIELCh color **22, 49.044, 24.362** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **42, 34.713, 169.132**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 48.582, 24.138**, and **8, 30.163, 23.524** is the 20% darker color. If you saturate the color by 10%, you get **22, 48.885, 24.556**, and if you desaturate by 10%, it is **23, 45.209, 20.189**.

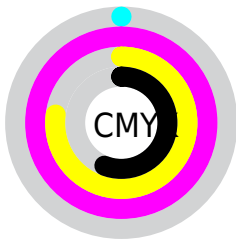
Distribution



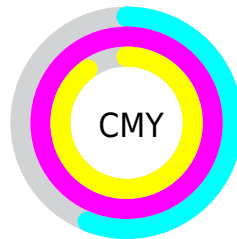
- Red (44%)
- Green (0%)
- Blue (10%)



- Red (44%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (56%)



- Cyan (56%)
- Magenta (100%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 49.044, 24.362 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, 49.044, 24.362 by changing the saturation by 10% instead.

■ 22, 49.044, 24.362

■ 22, 49.044, 24.362

■ 100, 49.044,
24.362

■ 12, 49.044, 24.362

■ 42, 49.044, 24.362

■ 2, 49.044, 24.362

■ 52, 49.044, 24.362

■ 0, 49.044, 24.362

■ 62, 49.044, 24.362

■ 72, 49.044, 24.362

■ 82, 49.044, 24.362

■ 92, 49.044, 24.362

■ 22, 49.044, 24.362

■ 22, 49.044, 24.362

22, 48.885, 24.556

23, 45.209, 20.189

24, 41.365, 15.974

26, 36.869, 12.537

29, 31.839, 9.786

31, 26.470, 7.584

34, 20.959, 5.803

37, 15.467, 4.337

41, 10.105, 3.106

44, 4.939, 2.034

Harmonies

Complementary

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



22, 49.044, 24.362



42, 34.713, 169.132

Rectangle

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



22, 49.044, 24.362



22, 49.044, 74.362



22, 49.044, 204.362



22, 49.044, 254.362

Sweetspot

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



22, 48.885, 24.556



48, 19.140, 4.442



21, 64.545, 319.900



23, 13.235, 4.897



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



22, 48.885, 24.556



30, 59.545, 26.164



25, 50.398, 46.008



22, 2.770, 1.931



24, 51.368, 25.000



52, 90.043, 28.451

Inverse Universe

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



22, 48.885, 24.556



30, 59.545, 26.164



32, 25.131, 247.287



22, 2.770, 1.931



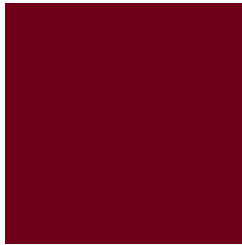
24, 51.368, 25.000



52, 90.043, 28.451

Previews

White Background



This preview shows how the CIELCh color 22, 49.044, 24.362 looks on a white background.

Color Contrast Check

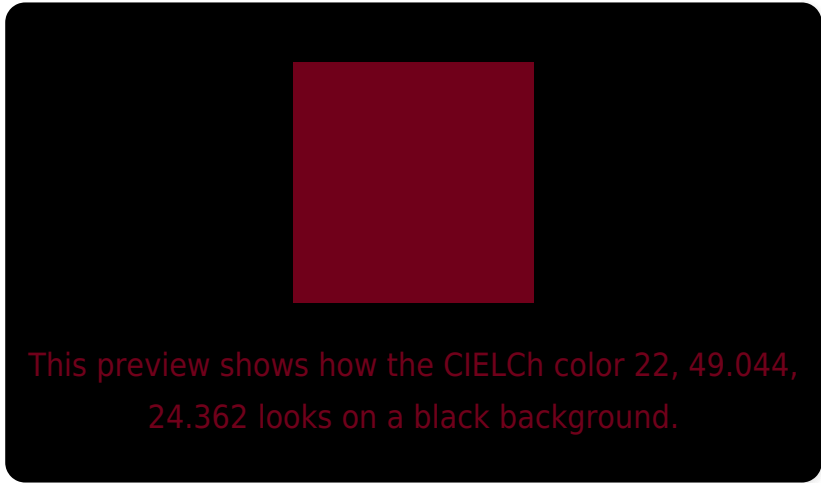
Large Text (above 18pt) WCAG AA ✓ Pass

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

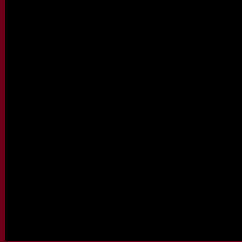
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 49.044, 24.362

Background



This preview shows how black text looks on a background with the CIELCh color 22, 49.044, 24.362.



This preview shows how white text looks on a background with the CIELCh color 22, 49.044, 24.362.

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, 48.662, 24.131

Protanopia

24, 12.089, 95.501

Deuteranopia

24, 24.997, 83.103



Tritanopia
23, 52.220, 37.683

Trichromacy



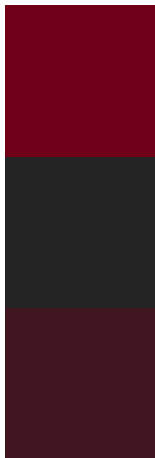
Original Color
22, 48.662, 24.131

Protanomaly
20, 23.146, 28.282

Deuteranomaly
21, 30.795, 41.310

Tritanomaly
22, 51.205, 34.172

Monochromacy



Original Color
22, 48.662, 24.131

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 21.338, 10.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 49.044, 24.362 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(112, 0, 26)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 26)  
}
```

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(112, 0, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 49.044, 24.362 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(112, 0, 26) }
```

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

```
.border{ border-color:rgb(112, 0, 26) }
```

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

Here you see how a box with a 4 pixel rgb(112, 0, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 26);  
box-shadow:4px 4px 4px 4px rgb(112, 0, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 49.044, 24.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 26) }
```

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

```
.background{ background-color: rgb(112, 0,  
26) }
```

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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