

Converting Colors

CIELCh(22, 46.358, 29.332)

Have a look what the booklet for
CIELCh(22, 46.358, 29.332) contains.

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Color

CIELCh(22, 46.389, 29.634)

Conversions

Conversions Part 1

Format	Color
Hex	6C0C15
RGB	108, 12, 21
RGB Percent	42%, 5%, 8%
CMY	0.5761, 0.9524, 0.9174
CMYK	0.00, 0.89, 0.81, 0.58
HSL	354°, 80%, 24%
HSV	354°, 89%, 42%
XYZ	6.4662, 3.5154, 1.0507
YIQ	41.7300, 54.3270, 23.1510

Conversions

Conversions Part 2

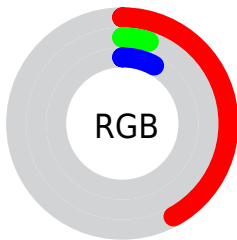
Format	Color
R_{YB}	108, 12, 21
Decimal	7080981
CIE Lab	22.00, 40.32, 22.94
CIE LCh	22, 46.389, 29.634
Yxy	3.5154, 0.5861, 0.3186
Android (android.graphics.Color)	4285271061 (0xFF6C0C15)
YUV	41.7300, -10.2199, 58.1188
Hunter-Lab	18.7494, 28.7486, 9.8020

Details

The CIELCh color **22, 46.389, 29.634** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **41, 27.690, 184.812**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 46.563, 29.193**, and **7, 28.690, 22.151** is the 20% darker color. If you saturate the color by 10%, you get **21, 50.560, 32.740**, and if you desaturate by 10%, it is **23, 41.525, 25.690**.

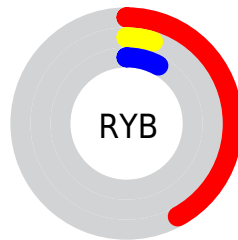
Distribution



Red (42%)

Green (5%)

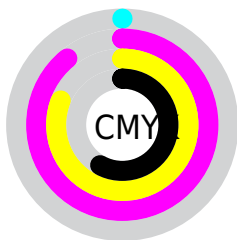
Blue (8%)



Red (42%)

Yellow (5%)

Blue (8%)

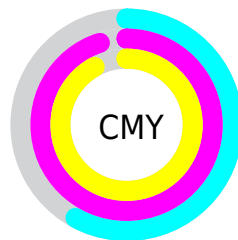


Cyan (0%)

Magenta (89%)

Yellow (81%)

Black (58%)



Cyan (58%)

Magenta (95%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 46.389, 29.634 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, 46.389, 29.634 by changing the saturation by 10% instead.

■ 22, 46.389, 29.634

■ 22, 46.389, 29.634

■ 100, 46.389,
29.634

■ 12, 46.389, 29.634

■ 42, 46.389, 29.634

■ 2, 46.389, 29.634

■ 52, 46.389, 29.634

■ 0, 46.389, 29.634

■ 62, 46.389, 29.634

■ 72, 46.389, 29.634

■ 82, 46.389, 29.634

■ 92, 46.389, 29.634

■ 22, 46.389, 29.634

■ 22, 46.389, 29.634

21, 50.560, 32.740

23, 41.525, 25.690

21, 51.011, 32.920

25, 36.235, 22.347

28, 30.679, 19.638

30, 25.032, 17.482

33, 19.447, 15.767

36, 14.043, 14.391

39, 8.891, 13.268

43, 4.025, 12.310

46, 0.549, 192.261

Harmonies

Complementary

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



22, 46.389, 29.634



41, 27.690, 184.812

Rectangle

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



22, 46.389, 29.634



22, 46.389, 79.634



22, 46.389, 209.634



22, 46.389, 259.634

Sweetspot

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



22, 46.387, 29.636



47, 16.274, 14.264



24, 58.744, 324.609



23, 11.130, 14.573



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



22, 46.387, 29.636



28, 63.046, 35.143



28, 41.047, 55.814



21, 2.563, 12.328



23, 54.584, 33.797



51, 97.420, 36.942

Inverse Universe

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



22, 46.387, 29.636



28, 63.046, 35.143



28, 27.331, 264.901



21, 2.563, 12.328



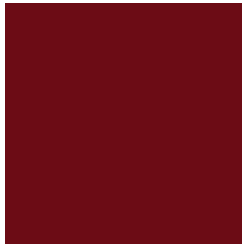
23, 54.584, 33.797



51, 97.420, 36.942

Previews

White Background



This preview shows how the CIELCh color 22, 46.389, 29.634 looks on a white background.

Color Contrast Check

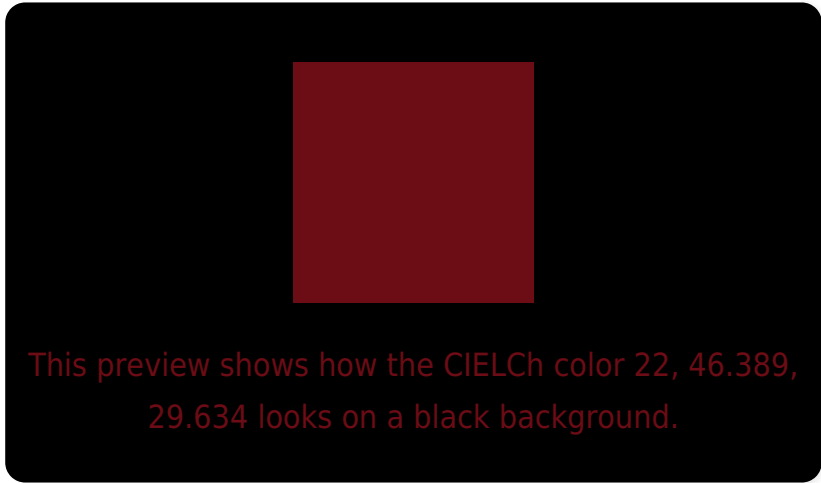
Large Text (above 18pt) WCAG AA ✓ Pass

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

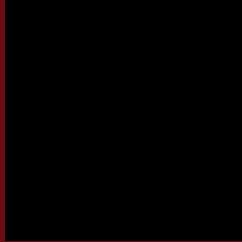
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 46.389, 29.634

Background



This preview shows how black text looks on a background with the CIELCh color 22, 46.389, 29.634.

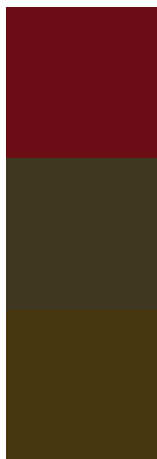


This preview shows how white text looks on a background with the CIELCh color 22, 46.389, 29.634.

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, 46.389, 29.634

Protanopia

23, 15.427, 95.078

Deuteranopia

23, 27.020, 84.044



Tritanopia
22, 48.489, 35.456

Trichromacy



Original Color
22, 46.389, 29.634

Protanomaly
21, 22.921, 41.971

Deuteranomaly
21, 30.848, 50.557

Tritanomaly
22, 47.903, 33.702

Monochromacy



Original Color
22, 46.389, 29.634

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 18.130, 18.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 46.389, 29.634 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(108, 12, 21)` looks like.

```
.text, #text, p{  
    color:rgb(108, 12, 21)  
}
```

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(108, 12, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 12, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 46.389, 29.634 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(108, 12, 21) }
```

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

```
.border{ border-color:rgb(108, 12, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 12, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 12, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 12, 21);  
box-shadow:4px 4px 4px 4px rgb(108, 12,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 46.389, 29.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 12, 21) }
```

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

```
.background{ background-color: rgb(108, 12,  
21) }
```

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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