

Converting Colors

CIELCh(22, 51.437, 35.911)

Have a look what the booklet for
CIELCh(22, 51.437, 35.911) contains.

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Color

CIELCh(22, 51.437, 35.911)

Conversions

Conversions Part 1

Format	Color
Hex	6E0707
RGB	110, 7, 7
RGB Percent	43%, 3%, 3%
CMY	0.5673, 0.9706, 0.9711
CMYK	0.00, 0.93, 0.93, 0.57
HSL	0°, 87%, 23%
HSV	0°, 93%, 43%
XYZ	6.5943, 3.5154, 0.5427
YIQ	37.7970, 61.3880, 21.8360

Conversions

Conversions Part 2

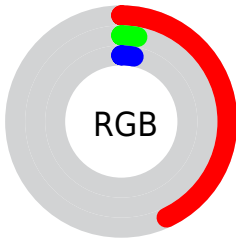
Format	Color
RYB	110, 7, 7
Decimal	7210759
CIELab	22.00, 41.66, 30.17
CIELCh	22, 51.437, 35.911
Yxy	3.5154, 0.6190, 0.3300
Android (android.graphics.Color)	4285400839 (0xFF6E0707)
YUV	37.7970, -15.1829, 63.3220
Hunter-Lab	18.7494, 29.9680, 11.4086

Details

The CIELCh color **22, 51.437, 35.911** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **42, 26.486, 196.608**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 51.821, 36.074**, and **7, 29.200, 22.589** is the 20% darker color. If you saturate the color by 10%, you get **21, 54.033, 36.951**, and if you desaturate by 10%, it is **23, 46.940, 33.573**.

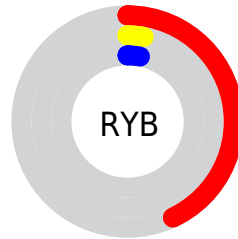
Distribution



Red (43%)

Green (3%)

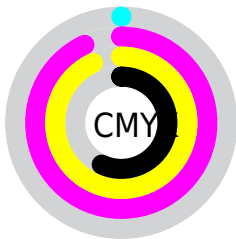
Blue (3%)



Red (43%)

Yellow (3%)

Blue (3%)

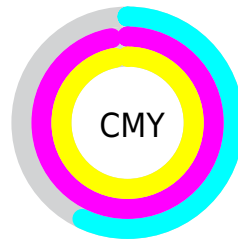


Cyan (0%)

Magenta (93%)

Yellow (93%)

Black (57%)



Cyan (57%)

Magenta (97%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 51.437, 35.911 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, 51.437, 35.911 by changing the saturation by 10% instead.

■ 22, 51.437, 35.911 ■ 22, 51.437, 35.911

■ 100, 51.437, 35.911 ■ 12, 51.437, 35.911

■ 42, 51.437, 35.911 ■ 2, 51.437, 35.911

■ 52, 51.437, 35.911 ■ 0, 51.437, 35.911

■ 62, 51.437, 35.911

■ 72, 51.437, 35.911

■ 82, 51.437, 35.911

■ 92, 51.437, 35.911

■ 22, 51.437, 35.911 ■ 22, 51.437, 35.911

21, 54.033, 36.951

23, 46.940, 33.573

25, 41.101, 30.322

27, 34.964, 27.541

29, 28.775, 25.302

32, 22.713, 23.548

35, 16.900, 22.185

39, 11.412, 21.123

42, 6.281, 20.279

45, 1.508, 19.457

Harmonies

Complementary

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



22, 51.437, 35.911



42, 26.486, 196.608

Rectangle

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



22, 51.437, 35.911



22, 51.437, 85.911



22, 51.437, 215.911



22, 51.437, 265.911

Sweetspot

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



22, 51.435, 35.913



48, 17.266, 21.666



26, 60.710, 328.143



22, 11.976, 22.033



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, 51.435, 35.913



29, 67.075, 39.181



31, 42.441, 63.298



22, 2.646, 19.955



24, 57.984, 37.816



52, 102.175, 40.009

Inverse Universe

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



42, 26.486, 196.608



54, 32.488, 196.569



25, 34.709, 279.203



23, 2.508, 199.134



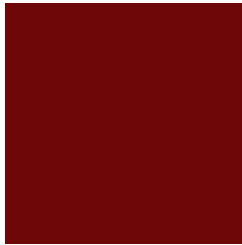
45, 28.626, 196.565



89, 48.885, 196.576

Previews

White Background



This preview shows how the CIELCh color 22, 51.437, 35.911 looks on a white background.

Color Contrast Check

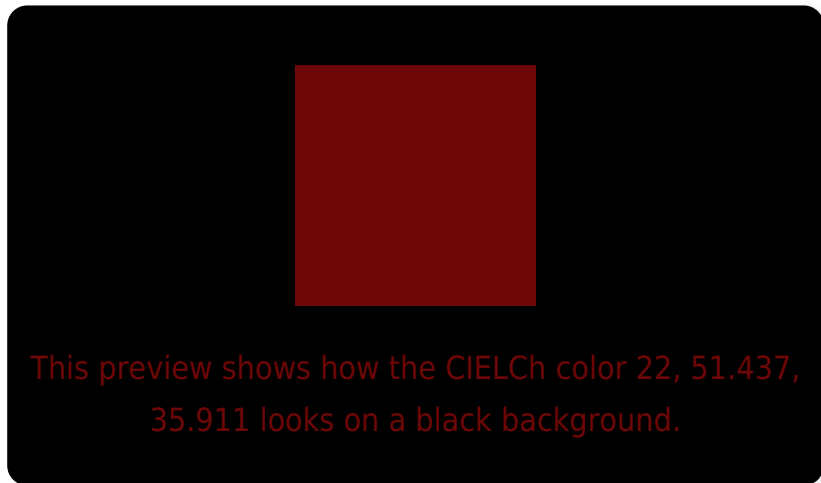
Large Text (above 18pt) WCAG AA ✓ Pass

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

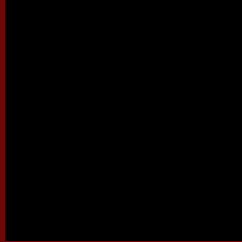
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 51.437, 35.911

Background



This preview shows how black text looks on a background with the CIELCh color 22, 51.437, 35.911.



This preview shows how white text looks on a background with the CIELCh color 22, 51.437, 35.911.

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, 51.437, 35.911

Protanopia

23, 24.867, 95.902

Deuteranopia

23, 32.248, 86.186



Tritanopia
22, 52.629, 39.129

Trichromacy



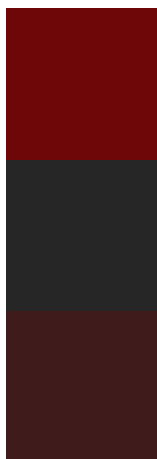
Original Color
22, 51.437, 35.911

Protanomaly
21, 30.057, 54.240

Deuteranomaly
21, 35.762, 54.609

Tritanomaly
22, 52.062, 37.833

Monochromacy



Original Color
22, 51.437, 35.911

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 19.891, 25.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 51.437, 35.911 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(110, 7, 7)` looks like.

```
.text, #text, p{  
    color:rgb(110, 7, 7)  
}
```

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(110, 7, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 7, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 51.437, 35.911 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(110, 7, 7) }
```

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

```
.border{ border-color:rgb(110, 7, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 7, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 7, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(110, 7, 7); box-shadow:4px  
4px 4px 4px rgb(110, 7, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 51.437, 35.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 7, 7) }
```

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

```
.background{ background-color: rgb(110, 7,  
7) }
```

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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