

Converting Colors

CIELCh(22, 50.399, 28.691)

Have a look what the booklet for
CIELCh(22, 50.399, 28.691) contains.

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Color

CIELCh(22, 50.188, 28.338)

Conversions

Conversions Part 1

Format	Color
Hex	700014
RGB	112, 0, 20
RGB Percent	44%, 0%, 8%
CMY	0.5600, 0.9989, 0.9210
CMYK	0.00, 1.00, 0.82, 0.56
HSL	349°, 99%, 22%
HSV	349°, 100%, 44%
XYZ	6.8393, 3.5154, 0.9865
YIQ	35.7680, 60.3320, 29.9640

Conversions

Conversions Part 2

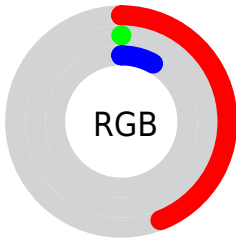
Format	Color
RYB	112, 0, 20
Decimal	7340052
CIELab	22.00, 44.17, 23.82
CIELCh	22, 50.188, 28.338
Yxy	3.5154, 0.6030, 0.3100
Android (android.graphics.Color)	4285530132 (0xFF700014)
YUV	35.7680, -7.7736, 66.8555
Hunter-Lab	18.7494, 32.3003, 10.0050

Details

The CIELCh color **22, 50.188, 28.338** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **42, 32.625, 174.065**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 49.972, 28.677**, and **8, 30.163, 23.524** is the 20% darker color. If you saturate the color by 10%, you get **22, 50.295, 28.436**, and if you desaturate by 10%, it is **23, 46.090, 24.058**.

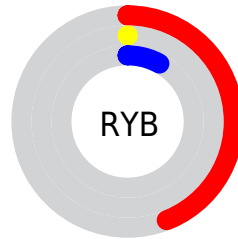
Distribution



Red (44%)

Green (0%)

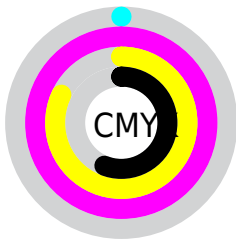
Blue (8%)



Red (44%)

Yellow (0%)

Blue (8%)

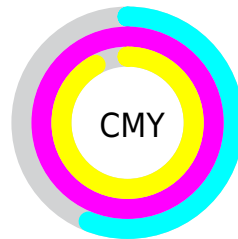


Cyan (0%)

Magenta (100%)

Yellow (82%)

Black (56%)



Cyan (56%)

Magenta (100%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 50.188, 28.338 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, 50.188, 28.338 by changing the saturation by 10% instead.

■ 22, 50.188, 28.338

■ 22, 50.188, 28.338

■ 100, 50.188,
28.338

■ 12, 50.188, 28.338

■ 42, 50.188, 28.338

■ 2, 50.188, 28.338

■ 52, 50.188, 28.338

■ 0, 50.188, 28.338

■ 62, 50.188, 28.338

■ 72, 50.188, 28.338

■ 82, 50.188, 28.338

■ 92, 50.188, 28.338

■ 22, 50.188, 28.338

■ 22, 50.188, 28.338

22, 50.295, 28.436

23, 46.090, 24.058

24, 41.828, 19.835

26, 37.007, 16.348

28, 31.749, 13.546

31, 26.237, 11.308

34, 20.655, 9.509

37, 15.151, 8.041

41, 9.822, 6.821

44, 4.725, 5.767

Harmonies

Complementary

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



22, 50.188, 28.338



42, 32.625, 174.065

Rectangle

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



22, 50.188, 28.338



22, 50.188, 78.338



22, 50.188, 208.338



22, 50.188, 258.338

Sweetspot

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



22, 50.186, 28.340



48, 18.934, 8.180



22, 63.988, 321.584



23, 13.108, 8.637



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, 50.186, 28.340



30, 61.418, 29.983



26, 49.180, 48.857



22, 2.720, 5.691



24, 52.907, 28.869



52, 93.098, 32.127

Inverse Universe

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



22, 50.186, 28.340



30, 61.418, 29.983



31, 26.808, 256.547



22, 2.720, 5.691



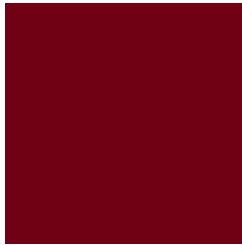
24, 52.907, 28.869



52, 93.098, 32.127

Previews

White Background



This preview shows how the CIELCh color 22, 50.188, 28.338 looks on a white background.

Color Contrast Check

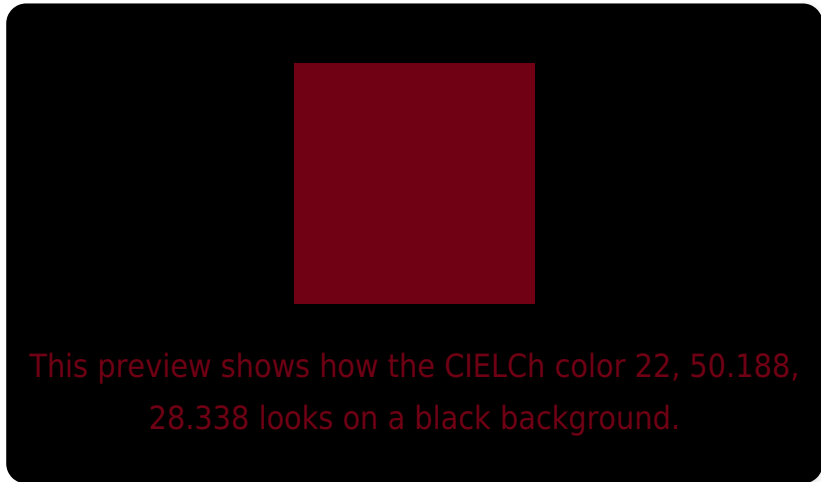
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.188, 28.338

Background



This preview shows how black text looks on a background with the CIELCh color 22, 50.188, 28.338.



This preview shows how white text looks on a background with the CIELCh color 22, 50.188, 28.338.

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, 50.188, 28.338

Protanopia

24, 16.493, 97.517

Deuteranopia

24, 28.985, 83.957



Tritanopia
23, 53.497, 39.236

Trichromacy



Original Color
22, 50.188, 28.338

Protanomaly
20, 24.778, 36.921

Deuteranomaly
21, 33.809, 46.674

Tritanomaly
22, 52.419, 35.879

Monochromacy



Original Color
22, 50.188, 28.338

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 21.385, 13.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 50.188, 28.338 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, 20)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 20)  
}
```

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, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 50.188, 28.338 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, 20) }
```

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

```
.border{ border-color:rgb(112, 0, 20) }
```

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, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 20);  
box-shadow:4px 4px 4px 4px rgb(112, 0, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 50.188, 28.338 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, 20) }
```

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

```
.background{ background-color: rgb(112, 0,  
20) }
```

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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