

Converting Colors

CIELCh(22, 52.532, 33.185)

Have a look what the booklet for
CIELCh(22, 52.532, 33.185) contains.

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Color

CIELCh(22, 52.823, 33.225)

Conversions

Conversions Part 1

Format	Color
Hex	71000B
RGB	113, 0, 11
RGB Percent	44%, 0%, 4%
CMY	0.5576, 1.0000, 0.9577
CMYK	0.00, 1.00, 0.90, 0.56
HSL	354°, 100%, 22%
HSV	354°, 100%, 44%
XYZ	6.8407, 3.5154, 0.6284
YIQ	35.0410, 63.8170, 27.3770

Conversions

Conversions Part 2

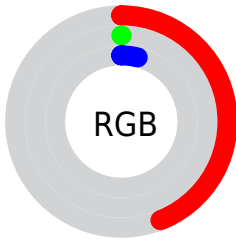
Format	Color
RYB	113, 0, 11
Decimal	7405579
CIELab	22.00, 44.19, 28.94
CIELCh	22, 52.823, 33.225
Yxy	3.5154, 0.6228, 0.3200
Android (android.graphics.Color)	4285595659 (0xFF71000B)
YUV	35.0410, -11.8522, 68.3700
Hunter-Lab	18.7494, 32.3136, 11.1376

Details

The CIELCh color **22, 52.823, 33.225** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **42, 29.881, 183.360**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 52.823, 33.467**, and **8, 30.163, 23.524** is the 20% darker color. If you saturate the color by 10%, you get **22, 52.785, 33.280**, and if you desaturate by 10%, it is **23, 48.513, 30.158**.

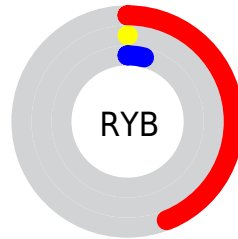
Distribution



Red (44%)

Green (0%)

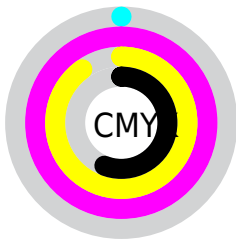
Blue (4%)



Red (44%)

Yellow (0%)

Blue (4%)

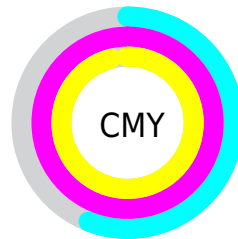


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (56%)



Cyan (56%)

Magenta (100%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 52.823, 33.225 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, 52.823, 33.225 by changing the saturation by 10% instead.

■ 22, 52.823, 33.225

■ 22, 52.823, 33.225

■ 100, 52.823,
33.225

■ 12, 52.823, 33.225

■ 42, 52.823, 33.225

■ 2, 52.823, 33.225

■ 52, 52.823, 33.225

■ 0, 52.823, 33.225

■ 62, 52.823, 33.225

■ 72, 52.823, 33.225

■ 82, 52.823, 33.225

■ 92, 52.823, 33.225

■ 22, 52.823, 33.225

■ 22, 52.823, 33.225

22, 52.785, 33.280

23, 48.513, 30.158

24, 43.587, 26.100

26, 38.188, 22.632

28, 32.481, 19.813

31, 26.647, 17.567

34, 20.854, 15.784

37, 15.230, 14.356

41, 9.858, 13.194

44, 4.778, 12.214

Harmonies

Complementary

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



22, 52.823, 33.225



42, 29.881, 183.360

Rectangle

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



22, 52.823, 33.225



22, 52.823, 83.225



22, 52.823, 213.225



22, 52.823, 263.225

Sweetspot

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



22, 52.785, 33.280



48, 19.060, 14.460



24, 63.723, 324.519



23, 13.035, 14.894



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, 52.785, 33.280



30, 65.614, 35.247



28, 47.813, 54.435



22, 2.667, 12.120



24, 55.484, 33.878



52, 98.068, 36.843

Inverse Universe

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



22, 52.785, 33.280



30, 65.614, 35.247



28, 31.190, 269.897



22, 2.667, 12.120



24, 55.484, 33.878



52, 98.068, 36.843

Previews

White Background



This preview shows how the CIE LCh color 22, 52.823, 33.225 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



This preview shows how the CIE LCh color 22, 52.823, 33.225 looks on a 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, 52.823, 33.225

Background



This preview shows how black text looks on a background with the CIELCh color 22, 52.823, 33.225.



This preview shows how white text looks on a background with the CIELCh color 22, 52.823, 33.225.

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, 52.823, 33.225

Protanopia

24, 23.212, 95.793

Deuteranopia

24, 32.926, 85.522



Tritanopia
23, 53.497, 39.236

Trichromacy



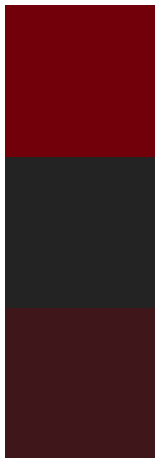
Original Color
22, 52.823, 33.225

Protanomaly
20, 29.877, 48.155

Deuteranomaly
21, 36.712, 51.577

Tritanomaly
22, 53.076, 36.969

Monochromacy



Original Color
22, 52.823, 33.225

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 21.727, 19.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 52.823, 33.225 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(113, 0, 11)` looks like.

```
.text, #text, p{  
    color:rgb(113, 0, 11)  
}
```

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(113, 0, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 0, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 52.823, 33.225 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(113, 0, 11) }
```

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

```
.border{ border-color:rgb(113, 0, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 0, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 0, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 0, 11);  
box-shadow:4px 4px 4px 4px rgb(113, 0, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 52.823, 33.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 0, 11) }
```

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

```
.background{ background-color: rgb(113, 0,  
11) }
```

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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