

Converting Colors

CIELCh(22, 50.028, 28.546)

Have a look what the booklet for
CIELCh(22, 50.028, 28.546) contains.

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Color

CIELCh(22, 50.028, 28.546)

Conversions

Conversions Part 1

Format	Color
Hex	700114
RGB	112, 1, 20
RGB Percent	44%, 0%, 8%
CMY	0.5608, 0.9961, 0.9216
CMYK	0.00, 0.99, 0.82, 0.56
HSL	350°, 98%, 22%
HSV	350°, 99%, 44%
XYZ	6.8169, 3.5154, 0.9806
YIQ	36.3550, 60.0570, 29.4410

Conversions

Conversions Part 2

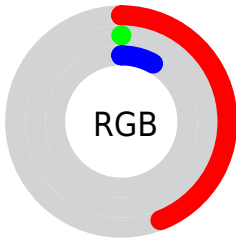
Format	Color
RYB	112, 1, 20
Decimal	7340308
CIELab	22.00, 43.95, 23.91
CIELCh	22, 50.028, 28.546
Yxy	3.5154, 0.6026, 0.3107
Android (android.graphics.Color)	4285530388 (0xFF700114)
YUV	36.3550, -8.0630, 66.3407
Hunter-Lab	18.7494, 32.0870, 10.0238

Details

The CIELCh color **22, 50.028, 28.546** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **42, 32.244, 174.810**, 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, 50.410, 28.880**, and if you desaturate by 10%, it is **23, 45.903, 24.247**.

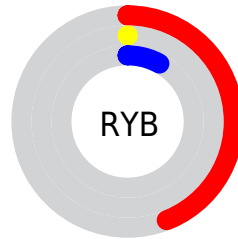
Distribution



Red (44%)

Green (0%)

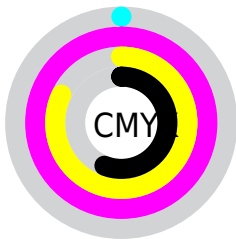
Blue (8%)



Red (44%)

Yellow (0%)

Blue (8%)

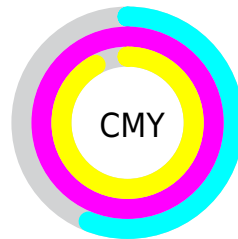


Cyan (0%)

Magenta (99%)

Yellow (82%)

Black (56%)



Cyan (56%)

Magenta (100%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 50.028, 28.546 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, 50.028, 28.546 by changing the saturation by 10% instead.

■ 22, 50.028, 28.546

■ 22, 50.028, 28.546

■ 100, 50.028,
28.546

■ 12, 50.028, 28.546

■ 42, 50.028, 28.546

■ 2, 50.028, 28.546

■ 52, 50.028, 28.546

■ 0, 50.028, 28.546

■ 62, 50.028, 28.546

■ 72, 50.028, 28.546

■ 82, 50.028, 28.546

■ 92, 50.028, 28.546

■ 22, 50.028, 28.546

■ 22, 50.028, 28.546

22, 50.410, 28.880

23, 45.903, 24.247

24, 41.558, 20.073

26, 36.672, 16.630

29, 31.371, 13.864

31, 25.839, 11.656

34, 20.257, 9.880

37, 14.767, 8.432

41, 9.462, 7.228

44, 4.396, 6.184

Harmonies

Complementary

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



22, 50.028, 28.546



42, 32.244, 174.810

Rectangle

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



22, 50.028, 28.546



22, 50.028, 78.546



22, 50.028, 208.546



22, 50.028, 258.546

Sweetspot

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



22, 50.026, 28.548



48, 18.914, 8.655



22, 63.699, 321.595



23, 13.097, 9.112



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, 50.026, 28.548



30, 61.668, 30.432



26, 48.799, 48.884



22, 2.715, 6.173



24, 53.114, 29.326



52, 93.492, 32.550

Inverse Universe

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



22, 50.026, 28.548



30, 61.668, 30.432



31, 26.654, 256.286



22, 2.715, 6.173



24, 53.114, 29.326



52, 93.492, 32.550

Previews

White Background



This preview shows how the CIE LCh color 22, 50.028, 28.546 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, 50.028, 28.546

Background



This preview shows how black text looks on a background with the CIELCh color 22, 50.028, 28.546.



This preview shows how white text looks on a background with the CIELCh color 22, 50.028, 28.546.

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, 50.028, 28.546

Protanopia

24, 16.493, 97.517

Deuteranopia

24, 28.985, 83.957

Trichromacy



Original Color
22, 50.028, 28.546

Protanomaly
20, 24.484, 38.349

Deuteranomaly
21, 33.599, 47.665

Monochromacy



Original Color
22, 50.028, 28.546

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, 50.028, 28.546 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, 1, 20)` looks like.

```
.text, #text, p{  
    color:rgb(112, 1, 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, 1, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 1, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 50.028, 28.546 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, 1, 20) }
```

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

```
.border{ border-color:rgb(112, 1, 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, 1, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 1, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 1, 20);  
box-shadow:4px 4px 4px 4px rgb(112, 1, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 50.028, 28.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 1, 20) }
```

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

```
.background{ background-color: rgb(112, 1,  
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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