

Converting Colors

CIELCh(22, 50.796, 39.975)

Have a look what the booklet for
CIELCh(22, 50.796, 39.975) contains.

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Color

CIELCh(22, 50.833, 39.988)

Conversions

Conversions Part 1

Format	Color
Hex	6C0F01
RGB	108, 15, 1
RGB Percent	42%, 6%, 0%
CMY	0.5771, 0.9419, 0.9968
CMYK	0.00, 0.86, 0.99, 0.58
HSL	8°, 98%, 21%
HSV	8°, 99%, 42%
XYZ	6.3365, 3.5154, 0.3680
YIQ	41.2110, 59.9220, 15.3620

Conversions

Conversions Part 2

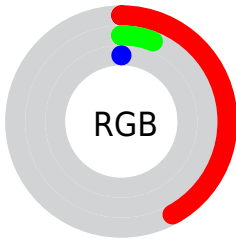
Format	Color
RYB	108, 17, 1
Decimal	7081729
CIELab	22.00, 38.95, 32.67
CIELCh	22, 50.833, 39.988
Yxy	3.5154, 0.6200, 0.3440
Android (android.graphics.Color)	4285271809 (0xFF6C0F01)
YUV	41.2110, -19.8240, 58.5740
Hunter-Lab	18.7494, 27.5136, 11.9608

Details

The CIELCh color **22, 50.833, 39.988** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **36, 23.281, 219.085**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 50.724, 40.423**, and **7, 28.160, 21.732** is the 20% darker color. If you saturate the color by 10%, you get **22, 51.131, 40.077**, and if you desaturate by 10%, it is **23, 46.583, 39.310**.

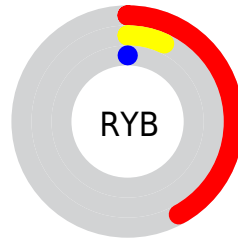
Distribution



Red (42%)

Green (6%)

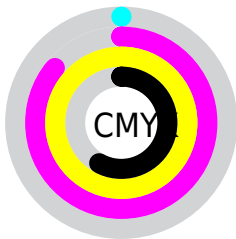
Blue (0%)



Red (42%)

Yellow (7%)

Blue (0%)

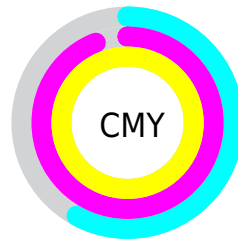


Cyan (0%)

Magenta (86%)

Yellow (99%)

Black (58%)



Cyan (58%)

Magenta (94%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 50.833, 39.988 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, 50.833, 39.988 by changing the saturation by 10% instead.

■ 22, 50.833, 39.988

■ 22, 50.833, 39.988

■ 100, 50.833,
39.988

■ 12, 50.833, 39.988

■ 42, 50.833, 39.988

■ 2, 50.833, 39.988

■ 52, 50.833, 39.988

■ 0, 50.833, 39.988

■ 62, 50.833, 39.988

■ 72, 50.833, 39.988

■ 82, 50.833, 39.988

■ 92, 50.833, 39.988

■ 22, 50.833, 39.988

■ 22, 50.833, 39.988

22, 51.131, 40.077

23, 46.583, 39.310

25, 41.004, 37.860

27, 34.981, 36.222

29, 29.027, 34.858

31, 23.300, 33.798

34, 17.884, 33.013

37, 12.818, 32.453

40, 8.108, 32.070

43, 3.744, 31.795

Harmonies

Complementary

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



22, 50.833, 39.988



36, 23.281, 219.085

Rectangle

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



22, 50.833, 39.988



22, 50.833, 89.988



22, 50.833, 219.988



22, 50.833, 269.988

Sweetspot

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



22, 50.831, 39.990



47, 16.417, 32.529



24, 56.057, 333.176



23, 11.429, 32.695



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, 50.831, 39.990



30, 64.198, 41.528



32, 43.479, 72.766



21, 2.261, 31.787



24, 55.097, 40.666



52, 99.106, 41.443

Inverse Universe

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



36, 23.281, 219.085



47, 28.128, 219.933



19, 44.932, 291.258



22, 2.142, 211.843



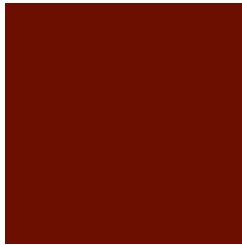
39, 24.753, 219.463



79, 42.460, 221.024

Previews

White Background



This preview shows how the CIE LCh color 22, 50.833, 39.988 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, 50.833, 39.988

Background



This preview shows how black text looks on a background with the CIELCh color 22, 50.833, 39.988.



This preview shows how white text looks on a background with the CIELCh color 22, 50.833, 39.988.

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, 50.833, 39.988

Protanopia

23, 26.799, 97.220

Deuteranopia

23, 32.248, 86.186



Tritanopia
22, 48.489, 35.456

Trichromacy



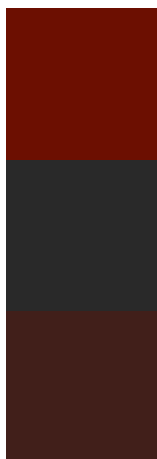
Original Color
22, 50.833, 39.988

Protanomaly
21, 30.639, 60.635

Deuteranomaly
21, 35.917, 59.319

Tritanomaly
22, 49.380, 37.074

Monochromacy



Original Color
22, 50.833, 39.988

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 19.132, 34.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 50.833, 39.988 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, 15, 1)` looks like.

```
.text, #text, p{  
    color:rgb(108, 15, 1)  
}
```

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, 15, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 15, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 50.833, 39.988 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, 15, 1) }
```

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

```
.border{ border-color:rgb(108, 15, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 15, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 15, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 15, 1);  
box-shadow:4px 4px 4px 4px rgb(108, 15, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 50.833, 39.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 15, 1) }
```

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

```
.background{ background-color: rgb(108, 15,  
1) }
```

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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