

Converting Colors

CIELCh(13, 96.348, 42.831)

Have a look what the booklet for
CIELCh(13, 96.348, 42.831) contains.

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Color

CIELCh(22, 54.749, 37.089)

Conversions

Conversions Part 1

Format	Color
Hex	710101
RGB	113, 1, 1
RGB Percent	44%, 0%, 0%
CMY	0.5579, 0.9962, 0.9969
CMYK	0.00, 0.99, 0.99, 0.56
HSL	0°, 99%, 22%
HSV	0°, 99%, 44%
XYZ	6.7900, 3.5154, 0.3436
YIQ	34.4880, 66.7520, 23.7440

Conversions

Conversions Part 2

Format	Color
R_{YB}	113, 1, 1
Decimal	7405825
CIE Lab	22.00, 43.67, 33.02
CIE LCh	22, 54.749, 37.089
Yxy	3.5154, 0.6376, 0.3301
Android (android.graphics.Color)	4285595905 (0xFF710101)
YUV	34.4880, -16.5096, 68.8550
Hunter-Lab	18.7494, 31.8314, 12.0381

Details

The CIELCh color **22, 54.749, 37.089** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **43, 27.335, 196.624**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 54.818, 37.141**, and **8, 30.163, 23.524** is the 20% darker color. If you saturate the color by 10%, you get **22, 55.030, 37.198**, and if you desaturate by 10%, it is **23, 50.783, 35.342**.

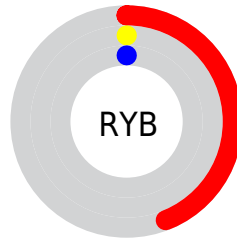
Distribution



Red (44%)

Green (0%)

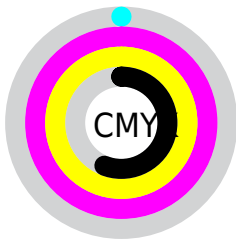
Blue (0%)



Red (44%)

Yellow (0%)

Blue (0%)

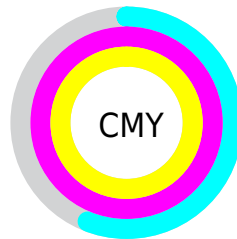


Cyan (0%)

Magenta (99%)

Yellow (99%)

Black (56%)



Cyan (56%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 54.749, 37.089 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, 54.749, 37.089 by changing the saturation by 10% instead.

■ 22, 54.749, 37.089

■ 22, 54.749, 37.089

■ 100, 54.749,
37.089

■ 12, 54.749, 37.089

■ 42, 54.749, 37.089

■ 2, 54.749, 37.089

■ 52, 54.749, 37.089

■ 0, 54.749, 37.089

■ 62, 54.749, 37.089

■ 72, 54.749, 37.089

■ 82, 54.749, 37.089

■ 92, 54.749, 37.089

■ 22, 54.749, 37.089

■ 22, 54.749, 37.089

■ 22, 55.030, 37.198

■ 23, 50.783, 35.342

■ 24, 45.434, 32.298

■ 26, 39.336, 29.201

■ 28, 33.045, 26.629

■ 31, 26.779, 24.587

■ 34, 20.697, 22.996

■ 37, 14.907, 21.761

■ 41, 9.465, 20.795

■ 44, 4.392, 20.008

Harmonies

Complementary

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



22, 54.749, 37.089



43, 27.335, 196.624

Rectangle

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



22, 54.749, 37.089



22, 54.749, 87.089



22, 54.749, 217.089



22, 54.749, 267.089

Sweetspot

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



22, 54.747, 37.091



48, 18.903, 21.924



26, 63.121, 328.223



23, 13.146, 22.307



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, 54.747, 37.091



30, 68.041, 39.290



30, 45.836, 62.395



22, 2.645, 19.986



24, 57.978, 37.825



52, 102.170, 40.012

Inverse Universe

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



43, 27.335, 196.624



54, 32.892, 196.626



24, 37.596, 281.610



23, 2.507, 199.167



45, 28.611, 196.622



89, 48.858, 196.635

Previews

White Background



This preview shows how the CIE LCh color 22, 54.749, 37.089 looks on a white background.

Color Contrast Check

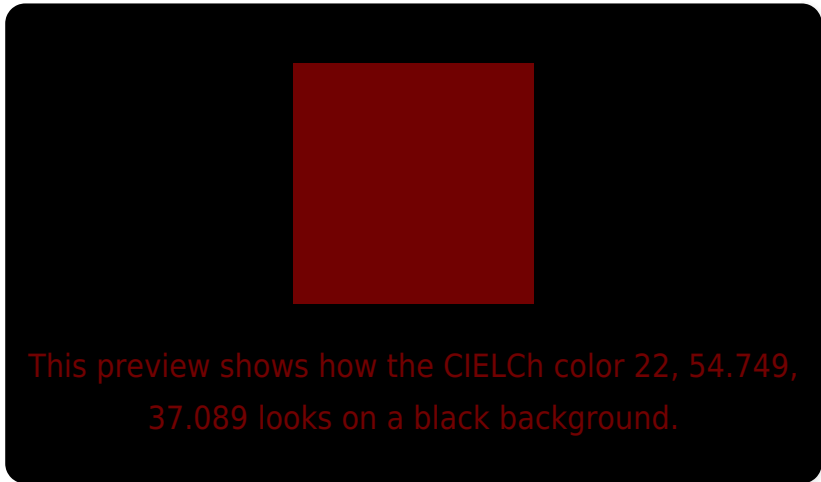
Large Text (above 18pt) WCAG AA ✓ Pass

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

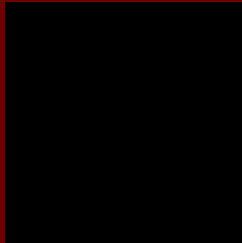
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 54.749, 37.089

Background



This preview shows how black text looks on a background with the CIELCh color 22, 54.749, 37.089.



This preview shows how white text looks on a background with the CIELCh color 22, 54.749, 37.089.

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, 54.813, 37.052

Protanopia

24, 26.393, 96.127

Deuteranopia

24, 32.926, 85.522



Tritanopia
23, 53.497, 39.236

Trichromacy



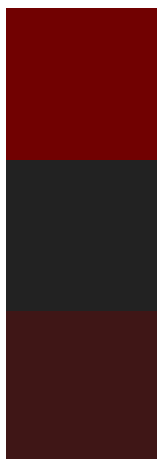
Original Color
22, 54.813, 37.052

Protanomaly
21, 32.111, 53.743

Deuteranomaly
21, 37.744, 54.167

Tritanomaly
22, 53.858, 38.595

Monochromacy



Original Color
22, 54.813, 37.052

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 22.447, 26.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 54.749, 37.089 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, 1, 1)` looks like.

```
.text, #text, p{  
    color:rgb(113, 1, 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(113, 1, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 1, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 54.749, 37.089 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, 1, 1) }
```

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

```
.border{ border-color:rgb(113, 1, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 1, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 1, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(113, 1, 1); box-shadow:4px  
4px 4px 4px rgb(113, 1, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 54.749, 37.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 1, 1) }
```

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

```
.background{ background-color: rgb(113, 1,  
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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